Temperature Profiles for 19 Lakes in the Experimental Lakes Area, Northwestern Ontario, 1984

M.E. Lyng and D.R. Cruikshank

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

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by

M.E. Lyng and D.R. Cruikshank

Western Region
Department of Fisheries and Oceans
Winnipeg, Manitoba R3T 2N6

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ABSTRACT

Lyng, M.E., and D.R. Cruikshank. 1985. Temperature profiles for 19 lakes in the Experimental Lakes Area, northwestern Ontario, 1984. Can. Data Rep. Fish. Aquat. Sci. 534: iv + 189 p.

This report presents 240 temperature profiles from 19 lakes in the Experimental Lakes Area in northwestern Ontario. Also included are data on weather descriptions, secchi depths, water colour, planar thermoclines and epilimnion depths.

Key words: temperature profiles; thermocline; experimental lakes.

RESUME

Lyng, M.E., and D.R. Cruikshank. 1985. Temperature profiles for 19 lakes in the Experimental Lakes Area, northwestern Ontario, 1984. Can. Data Rep. Fish. Aquat. Sci. 534: iv + 189 p.

Le présent rapport présente 240 profils de température de 19 lacs de la Région des Lacs Expérimentaux dans le nord-ouest de l'Ontario. Il comprend aussi des données sur la description du temps, les profondeurs de secchi, la couleur de l'eau, les thermoclines planaires, et la profondeur de l'épilimnion.

Mots-clés: profils de température; la thermocline; lacs expérimentaux.

INTRODUCTION

This report is the second in a series of data reports dealing with lake temperature profiles at the Experimental Lakes Area. Temperature data from 1968-1983 for 29 lakes were presented by Cruikshank (1984a). In this report, 240 temperature profiles for 19 lakes during the 1984 ice-free season are presented in both tabular (Appendix A) and graphical (Appendix B) form. Additional information such as weather descriptions, water colour and secchi depths are presented when available. Surface and epilimnion temperatures, epilimnion depths and planar thermoclines are also summarized (Appendix C).

Most ELA lakes begin to stratify by mid to late May with stable summer thermal regimes appearing by July and disappearing by mid-September (Cruikshank 1984b). The majority of ELA lakes do not completely overturn in spring, others have only fall overturns. Thermal overturn in the fall may occur up to two weeks before chemical overturn (Table 1). The time factor is an artifact of the sampling schedule and not necessarily real. Thermal overturn is defined as the lake being isothermal from the surface to bottom or the temperature difference between successive metre depths not exceeding 1°C. Chemical turnover is defined as the lake having the same oxygen concentration from top to bottom.

METHODS

Temperature profiles of ELA lakes from 1968 to 1983 were taken using Montedoro-Whitney Models TC-5A and TC-5C thermistors. In 1984 most profiles were taken using a Flett Research Mark II Digital Telethermometer. All readings have been corrected using a calibration curve that was calculated using a mercury thermometer (0.05°C accuracy). Profiles were obtained by starting at the lake surface and taking temperature readings at one metre intervals. If the temperature difference between successive metre depths exceeded 1°C, measurements were taken every quarter metre until the difference between metre depths was less than 1°C.

Inflow, outflow and air temperatures were taken with a pocket thermometer (1°C accuracy). Weather descriptions are a subjective parameter and may vary between observers. Secchi depths were measured on the shadow side of the boat during the morning. The secchi disc was lowered until it disappeared and the depth at which it reappeared was recorded. Water colour was a subjective measurement defined as the colour of water against the white background of the secchi disc at 1/2 the recorded secchi depth. Epilimnion depth is defined as that point in the water column where temperature began to decrease at a rate greater than 1°C per metre. Planar thermocline is defined as that point where the change in temperature per metre depth was greatest.

All calculations and printouts were done by a Hewlett Packard Model 87XM computer. Graphs were produced using a Zenith Z100 computer with a HP 7475A plotter.

ACKNOWLEDGMENTS

We would like to thank Stefan Himmer and Geoff Tomlinson who assisted us in the collection of field data for 1984. We would also like to thank Susan Kasian and Chris Krasey for their help in computer programming; and Lillian Wilson who typed this report.

REFERENCES

CRUIKSHANK, D.R. 1984a. Temperature profiles for 29 lakes in the Experimental Lakes Area, northwestern Ontario, 1968-1983. Can. Data Rep. Fish. Aquat. Sci. 452: iv + 519 p. (bound in two parts).

CRUIKSHANK, D.R. 1984b. The relationship of summer thermocline depth to several physical characteristics of lakes. Can. Tech. Rep. Fish. Aquat. Sci. 1248: iv + 33 p.

Table 1. Comparison of lake overturn dates. Lakes may have turned over either thermally or chemically prior to above dates. The above dates were scheduled sampling times and either the lakes had turned over by this date or it was the last date the lakes were visited.

Lake	Date thermally overturned	Date chemically overturned
109	Oct 1 (day 275)	Oct 1 (day 275)
110	Oct 23 (day 297)	not by Oct 23 (day 297)
114	Aug 21 (day 223)	Oct 15 (day 289)
222	Sep 24 (day 268)	Sep 24 (day 268)
223	Oct 2 (day 276)	not by Oct 15 (day 289)
224	Oct 30 (day 304)	not by Oct 29 (day 303)
226NE	Oct 30 (day 304)	Oct 30 (day 304)
226SW	Oct 30 (day 304)	Oct 30 (day 304)
227	Oct 24 (day 298)	Oct 24 (day 298)
239	Oct 29 (day 303)	not by Oct 26 (day 300)
240	Sep 26 (day 270)	not by Sep 26 (day 270)
302N	Oct 16 (day 290)	Oct 30 (day 304)
302S	Sep 18 (day 262)	Oct 30 (day 304)
373	not by Oct 22 (day 296)	not by Oct 22 (day 296)
374	not by Oct 22 (day 296)	not by Oct 22 (day 296)
382	not by Sep 6 (day 249)	not by Oct 2 (day 276)
623	not by Oct 23 (day 297)	not by Oct 23 (day 297)
629	not by Oct 22 (day 296)	not by Oct 22 (day 296)

APPENDIX A

All temperatures in degrees Celsius (°C)

All depths in metres (m)

Air temperatures are accurate to 1°C and water temperatures to 0.05°C

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Lake # 93 7 JUN 84 (Day 158) Time: 15 08 CDT
Air Temperature: 16.4 (C) Wind: NE 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description: RAIN
Secchi Visibility: 3.6 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.3 (C)
Epilimnion Temperature: 16.3 (C) Epilimnion Depth (1 C/M): 2.625 (M)
Planar-Thermocline : 3.375 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.30	3.25	14.20	5.00	8.30
1.00	16.30	3.50	12.90	5.25	7.70
2.00	16.30	3.75	12.05	5.50	7.40
2.25	16.20	4.00	11.00	5.75	7.20
2.50	16.20	4.25	9.90	6.00	6.90
2.75	15.70	4.50	9.20	7.00	6.50
3.00	14.70	4.75	8.70	8.00	6.30

****

Lake # 93 19 JUN 84 (Day 170) Time: 10 06 CDT
Air Temperature: 19 (C) Wind: NW 15 - 20 KMPH
Cloud Cover: 9 /10 Weather Description: SUNNY BREAKS
Secchi Visibility: 4.1 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.7 (C)
Epilimnion Temperature: 19.7 (C) Epilimnion Depth (1 C/M): 1.875 (M)
Planar-Thermocline : 3.875 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.70	2.75	16.90	4.75	9.60
1.00	19.70	3.00	16.60	5.00	8.90
1.25	19.60	3.25	16.00	5.25	8.40
1.50	19.50	3.50	15.00	5.50	8.00
1.75	19.40	3.75	13.90	5.75	7.80
2.00	18.40	4.00	12.50	6.00	7.50
2.25	17.50	4.25	11.50	7.00	6.80
2.50	17.30	4.50	10.70	8.00	6.50

****

Lake # 93 5 JUL 84 (Day 186) Time: 11 50 CDT
Air Temperature: 20 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.2 (C)
Epilimnion Temperature: 21.3 (C) Epilimnion Depth (1 C/M): 2.875 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 8.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.20	3.75	15.40	5.75	8.60
1.00	21.30	4.00	14.00	6.00	8.10
2.00	21.30	4.25	13.20	6.25	7.60
2.25	21.20	4.50	12.25	6.50	7.40
2.50	21.10	4.75	11.20	6.75	7.10
2.75	21.10	5.00	10.50	7.00	7.10
3.00	20.40	5.25	9.60	8.00	6.80
3.25	18.20	5.50	9.20	8.25	6.50
3.50	16.70				

****

Lake # 93 17 JUL 84 (Day 198) Time: 09 50 CDT
Air Temperature: 24.5 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.4 (C)
Epilimnion Temperature: 21.4 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 3.875 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.40	4.00	15.20	5.75	9.30
1.00	21.40	4.25	14.20	6.00	8.50
2.00	21.40	4.50	12.90	6.25	8.20
3.00	21.30	4.75	11.90	6.50	7.60
3.25	19.90	5.00	11.05	6.75	7.50
3.50	18.30	5.25	10.20	7.00	7.40
3.75	16.90	5.50	9.57	8.00	7.20

****

Lake # 93 2 AUG 84 (Day 214) Time: 11 35 CDT
Air Temperature: 27.8 (C) Wind: E 0 - 5 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 4.4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.3 (C)
Epilimnion Temperature: 22.8 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.30	4.00	17.80	5.75	9.90
1.00	22.80	4.25	16.00	6.00	9.30
2.00	22.70	4.50	14.60	6.25	8.70
3.00	22.30	4.75	13.60	6.50	8.30
3.25	21.70	5.00	12.90	6.75	7.90
3.50	20.90	5.25	11.95	7.00	7.70
3.75	19.30	5.50	11.00	8.00	7.30

****

Lake # 93 14 AUG 84 (Day 226) Time: 10 30 CDT
Air Temperature: Wind: SE 10 - 15 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.7 (C)
Epilimnion Temperature: 23.5 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 3.875 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.70	4.50	15.90	6.50	8.80
1.00	23.50	4.75	14.60	6.75	8.40
2.00	23.20	5.00	13.40	7.00	8.10
3.00	22.90	5.25	12.40	7.25	7.90
3.25	22.40	5.50	11.50	7.50	7.70
3.50	21.80	5.75	10.60	7.75	7.40
3.75	20.30	6.00	9.90	8.00	7.30
4.00	18.60	6.25	9.30	8.25	7.10
4.25	17.20				

****

Lake # 93 30 AUG 84 (Day 242) Time: 10 14 CDT
Air Temperature: 24.5 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.7 (C) Epilimnion Depth (1 C/M): 3.375 (M)
Planar-Thermocline : 4.625 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	4.25	18.80	6.25	9.80
1.00	21.70	4.50	17.60	6.50	9.20
2.00	21.60	4.75	16.10	6.75	8.90
3.00	21.50	5.00	14.70	7.00	8.50
3.25	21.30	5.25	13.60	7.25	8.20
3.50	20.90	5.50	12.40	7.50	7.80
3.75	20.40	5.75	11.60	7.75	7.80
4.00	19.90	6.00	10.80	8.00	7.70

****

Lake # 93 11 SEP 84 (Day 254) Time: 09 25 CDT
Air Temperature: 12.9 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.8 (C)
Epilimnion Temperature: 16 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.80	5.00	16.00	6.25	10.10
1.00	16.00	5.25	14.50	6.50	9.50
2.00	16.10	5.50	13.20	6.75	9.10
3.00	16.10	5.75	12.25	7.00	8.80
4.00	16.10	6.00	11.20	8.00	7.90

****

Lake # 93 27 SEP 84 (Day 270) Time: 15 30 CDT
Air Temperature: Wind: W 25 - 30 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 2.2 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.7 (C)
Epilimnion Temperature: 10.8 (C) Epilimnion Depth (1 C/M): 8 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: -.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.70	3.00	10.80	6.00	10.80
1.00	10.80	4.00	10.80	7.00	10.80
2.00	10.80	5.00	10.80	8.00	10.70

****

Lake # 93 9 OCT 84 (Day 282) Time: 10 01 CDT
Air Temperature: 10 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description: FOG
Secchi Visibility: 2.4 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.5 (C)
Epilimnion Temperature: 10.5 (C) Epilimnion Depth (1 C/M): 2.5 (M)
Planar-Thermocline : 2.5 (M) Change at Planar-Thermo: 1.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.50	3.00	9.00	6.00	9.20
1.00	10.50	4.00	9.30	7.00	9.20
2.00	10.10	5.00	9.20	7.50	9.00

****

Lake # 109 15 MAY 84 (Day 135) Time: 10 10 CDT
Air Temperature: 12 (C) Wind: 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.6 (C)
Epilimnion Temperature: 10.4 (C) Epilimnion Depth (1 C/M): 10 (M)
Planar-Thermocline : 4.5 (M) Change at Planar-Thermo: 0.900 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.60	4.00	8.70	8.00	6.70
1.00	10.40	5.00	7.80	9.00	6.60
2.00	10.10	6.00	7.20	10.00	6.40
3.00	9.40	7.00	6.90		

****

Lake # 109 1 JUN 84 (Day 152) Time: 10 21 CDT
Air Temperature: 19 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.9 (C)
Epilimnion Temperature: 14.5 (C) Epilimnion Depth (1 C/M): 3.5 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.90	5.25	12.30	6.50	8.90
1.00	14.50	5.50	11.95	6.75	8.80
2.00	14.40	5.75	11.40	7.00	8.60
3.00	14.30	6.00	10.10	8.00	7.80
4.00	13.30	6.25	9.40	9.00	7.50
5.00	12.60				

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Lake # 109 12 JUN 84 (Day 163) Time: 10 18 CDT
Air Temperature: 16 (C) Wind: W 15 - 20 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 6.5 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.1 (C)
Epilimnion Temperature: 16.1 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.10	5.50	12.70	7.25	9.20
1.00	16.10	5.75	11.95	7.50	8.90
2.00	16.10	6.00	11.20	7.75	8.70
3.00	16.10	6.25	10.80	8.00	8.50
4.00	16.10	6.50	10.30	9.00	8.00
5.00	16.00	6.75	9.90	10.00	7.70
5.25	15.90	7.00	9.60		

****

Lake # 109 28 JUN 84 (Day 179) Time: 09 30 CDT
Air Temperature: 17 (C) Wind: NW 20 - 25 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 4.25 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19 (C)
Epilimnion Temperature: 19 (C) Epilimnion Depth (1 C/M): 4.375 (M)
Planar-Thermocline : 5.625 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.00	5.00	17.00	7.00	11.10
1.00	19.00	5.25	16.20	7.25	10.60
2.00	19.00	5.50	15.60	7.50	9.90
3.00	19.00	5.75	14.60	7.75	9.60
4.00	19.00	6.00	14.20	8.00	9.30
4.25	18.90	6.25	13.20	9.00	8.80
4.50	18.40	6.50	12.80	10.00	8.20
4.75	17.80	6.75	12.05		

****

Lake # 109 10 JUL 84 (Day 191) Time: 09 56 CDT
Air Temperature: 22 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 4.7 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.3 (C)
Epilimnion Temperature: 21.1 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.30	6.00	14.80	8.00	11.00
1.00	21.10	6.25	14.20	8.25	10.00
2.00	20.90	6.50	13.70	8.50	10.00
3.00	20.80	6.75	14.20	8.75	9.90
4.00	20.40	7.00	12.60	9.00	9.60
5.00	19.80	7.25	12.25	9.25	9.50
5.25	18.40	7.50	11.85	9.50	9.20
5.50	17.20	7.75	11.50	9.75	9.10
5.75	16.10				

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Lake # 109 26 JUL 84 (Day 207) Time: 11 48 CDT
Air Temperature: 21 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.8 (C)
Epilimnion Temperature: 22.8 (C) Epilimnion Depth (1 C/M): 4.625 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.80	5.25	20.90	7.50	12.80
1.00	22.80	5.50	20.20	7.75	12.50
2.00	22.70	5.75	19.50	8.00	12.15
3.00	22.60	6.00	17.50	8.25	11.80
4.00	22.50	6.25	16.40	8.50	11.20
4.25	22.40	6.50	15.20	8.75	10.90
4.50	22.20	6.75	14.40	9.00	10.60
4.75	21.50	7.00	14.10	9.75	9.30
5.00	21.30	7.25	13.30		

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Lake # 109 7 AUG 84 (Day 219) Time: 10 18 CDT
Air Temperature: 26 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 5 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25 (C)
Epilimnion Temperature: 24.9 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.00	5.50	21.00	8.00	12.40
1.00	24.90	5.75	19.90	8.25	12.05
2.00	24.80	6.00	19.10	8.50	11.60
3.00	24.70	6.25	17.50	8.75	11.40
4.00	23.90	6.50	16.80	9.00	10.70
4.25	23.60	6.75	15.90	9.25	10.30
4.50	23.50	7.00	15.10	9.50	10.10
4.75	23.20	7.25	14.60	9.75	9.80
5.00	22.80	7.50	13.70	10.00	9.30
5.25	22.00	7.75	13.10	10.25	9.20

****

Lake # 109 23 AUG 84 (Day 235) Time: 10 00 CDT
Air Temperature: 15 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.4 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.7 (C) Epilimnion Depth (1 C/M): 6.375 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 8.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	6.25	21.20	8.00	13.30
1.00	21.70	6.50	20.20	8.25	13.00
2.00	21.70	6.75	18.10	8.50	12.40
3.00	21.70	7.00	17.00	8.75	12.15
4.00	21.70	7.25	16.20	9.00	11.20
5.00	21.70	7.50	15.20	9.25	10.90
6.00	21.40	7.75	14.30	9.50	10.50

****

Lake # 109 4 SEP 84 (Day 247) Time: 09 18 CDT
Air Temperature: 18 (C) Wind: E 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.8 (C)
Epilimnion Temperature: 18.8 (C) Epilimnion Depth (1 C/M): 7.125 (M)
Planar-Thermocline : 7.375 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.80	6.00	18.90	8.25	13.60
1.00	18.80	7.00	18.70	8.50	13.00
2.00	18.80	7.25	17.80	8.75	12.35
3.00	18.80	7.50	16.10	9.00	11.70
4.00	18.00	7.75	15.00	9.25	11.00
5.00	18.90	8.00	14.30	9.50	10.80

****

Lake # 109 20 SEP 84 (Day 263) Time: 16 11 CDT
Air Temperature: 18.7 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.7 (C)
Epilimnion Temperature: 16.6 (C) Epilimnion Depth (1 C/M): 8.625 (M)
Planar-Thermocline : 9.375 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.70	6.00	15.70	8.75	14.10
1.00	16.60	7.00	15.40	9.00	13.30
2.00	16.50	8.00	15.20	9.25	12.90
3.00	15.90	8.25	15.00	9.50	11.80
4.00	15.80	8.50	15.00	9.75	11.70
5.00	15.70				

****

Lake # 109 2 OCT 84 (Day 275) Time: 09 53 CDT
Air Temperature: 9.8 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.9 (C)
Epilimnion Temperature: 11 (C) Epilimnion Depth (1 C/M): 9.25 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: -.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.90	4.00	11.00	7.00	11.00
1.00	11.00	5.00	11.00	8.00	11.00
2.00	11.00	6.00	11.00	9.25	11.00
3.00	11.00				

****

Lake # 110 15 APR 84 (Day 105) Time: 11 00 CDT
Air Temperature: 12 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 6.4 (M) Water Color: YELLOW-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.5 (C)
Epilimnion Temperature: 11.2 (C) Epilimnion Depth (1 C/M): 2.375 (M)
Planar-Thermocline : 2.375 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.50	3.25	9.30	7.00	6.40
1.00	11.20	3.50	9.30	8.00	5.90
2.00	10.90	3.75	9.10	9.00	5.70
2.25	10.80	4.00	8.60	10.00	5.40
2.50	10.20	5.00	7.80	11.00	5.10
2.75	9.80	6.00	6.90	12.00	5.00
3.00	9.40				

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Lake # 110 1 JUN 84 (Day 152) Time: 09 44 CDT
Air Temperature: 19 (C) Wind: -
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.7 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.2 (C)
Epilimnion Temperature: 15.1 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.375 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.20	4.25	12.70	6.00	7.80
1.00	15.10	4.50	11.40	7.00	6.80
2.00	15.00	4.75	10.70	8.00	6.40
3.00	14.20	5.00	9.90	9.00	5.60
3.25	13.70	5.25	8.90	10.00	5.50
3.50	13.50	5.50	8.60	11.00	5.40
3.75	13.40	5.75	8.10	12.00	5.40
4.00	13.20				

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Lake # 110 12 JUN 84 (Day 163) Time: 09 29 CDT
Air Temperature: 16.3 (C) Wind: W 15 - 20 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4.6 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.5 (C)
Epilimnion Temperature: 16.5 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 4.375 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.50	5.25	10.60	7.50	6.70
1.00	16.50	5.50	10.00	7.75	6.60
2.00	16.40	5.75	9.20	8.00	6.30
3.00	16.30	6.00	8.70	9.00	6.10
4.00	15.60	6.25	8.10	10.00	5.70
4.25	14.50	6.50	7.80	11.00	5.50
4.50	13.30	6.75	7.60	12.00	5.50
4.75	12.25	7.00	7.20	13.00	5.40
5.00	11.70	7.25	6.90		

****

Lake # 110 10 JUL 84 (Day 191) Time: 09 18 CDT
Air Temperature: 22 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 3.9 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.3 (C)
Epilimnion Temperature: 21.3 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.30	4.75	16.00	7.25	8.00
1.00	21.30	5.00	14.30	7.50	7.80
2.00	21.00	5.25	12.70	7.75	7.70
3.00	20.60	5.50	12.25	8.00	7.40
3.25	20.20	5.75	11.50	9.00	6.60
3.50	20.20	6.00	10.50	10.00	6.20
3.75	19.90	6.25	9.80	11.00	5.90
4.00	19.00	6.50	9.30	12.00	5.80
4.25	18.00	6.75	9.10	12.60	5.70
4.50	17.00	7.00	8.80		

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Lake # 110 26 JUL 84 (Day 207) Time: 11 12 CDT
Air Temperature: 21 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23 (C)
Epilimnion Temperature: 23 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.00	4.75	17.90	7.25	8.80
1.00	23.00	5.00	17.00	7.50	8.30
2.00	22.80	5.25	15.70	7.75	8.10
3.00	22.70	5.50	14.10	8.00	7.80
3.25	22.40	5.75	12.90	9.00	7.10
3.50	22.40	6.00	12.15	10.00	6.40
3.75	22.00	6.25	11.40	11.00	6.10
4.00	21.40	6.50	10.60	12.00	6.00
4.25	20.60	6.75	9.80	13.00	5.90
4.50	19.20	7.00	9.20		

****

Lake # 110 7 AUG 84 (Day 219) Time: 09 24 CDT
Air Temperature: 25 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.1 (C)
Epilimnion Temperature: 25.1 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.10	5.00	18.10	7.75	8.60
1.00	25.10	5.25	16.70	8.00	8.10
2.00	25.00	5.50	15.50	8.25	7.80
3.00	24.50	5.75	14.10	8.50	7.60
3.25	24.10	6.00	13.10	8.75	7.40
3.50	23.60	6.25	12.05	9.00	7.10
3.75	23.10	6.50	11.20	10.00	6.30
4.00	22.50	6.75	10.50	11.00	6.00
4.25	21.70	7.00	9.90	12.00	5.90
4.50	20.60	7.25	9.20	13.00	5.90
4.75	19.60	7.50	8.80		

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Lake # 110 23 AUG 84 (Day 235) Time: 09 30 CDT
Air Temperature: 14.5 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.4 (C)
Epilimnion Temperature: 21.4 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.40	6.00	14.30	8.25	8.00
1.00	21.40	6.25	13.10	8.50	7.80
2.00	21.40	6.50	12.20	8.75	7.40
3.00	21.40	6.75	11.50	9.00	7.20
4.00	21.40	7.00	10.80	10.00	6.60
5.00	21.00	7.25	9.90	11.00	6.40
5.25	18.40	7.50	9.30	12.00	6.00
5.50	16.60	7.75	9.00	12.50	5.90
5.75	15.50	8.00	8.60		

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Lake # 110 4 SEP 84 (Day 247) Time: 10 22 CDT
Air Temperature: 13.5 (C) Wind: E 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.9 (C)
Epilimnion Temperature: 17.9 (C) Epilimnion Depth (1 C/M): 5.875 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.90	6.25	14.00	8.50	8.00
1.00	17.90	6.50	12.90	8.75	7.70
2.00	18.00	6.75	11.95	9.00	7.50
3.00	18.00	7.00	11.10	9.25	7.10
4.00	18.00	7.25	10.50	9.50	6.90
5.00	17.90	7.50	9.50	9.75	6.80
5.25	17.80	7.75	9.20	10.00	6.60
5.50	17.60	8.00	8.80	11.00	6.30
5.75	17.40	8.25	8.50	12.00	6.00
6.00	15.70				

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Lake # 110 20 SEP 84 (Day 263) Time: 15 26 CDT
Air Temperature: 23 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.2 (C)
Epilimnion Temperature: 15.6 (C) Epilimnion Depth (1 C/M): 7.125 (M)
Planar-Thermocline : 7.625 (M) Change at Planar-Thermo: 6.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.20	7.25	13.00	9.25	7.30
1.00	15.60	7.50	12.25	9.50	7.20
2.00	15.50	7.75	10.70	9.75	7.00
3.00	14.80	8.00	9.80	10.00	6.70
4.00	14.50	8.25	9.30	11.00	6.30
5.00	14.30	8.50	8.90	12.00	6.30
6.00	14.30	8.75	8.50	12.50	6.20
7.00	13.40	9.00	8.00		

****

Lake # 110 2 OCT 84 (Day 275) Time: 10 57 CDT
Air Temperature: 10 (C) Wind: SE 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10 (C)
Epilimnion Temperature: 10 (C) Epilimnion Depth (1 C/M): 9.125 (M)
Planar-Thermocline : 9.375 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.00	6.00	9.90	9.75	7.60
1.00	10.00	7.00	9.80	10.00	7.10
2.00	10.00	8.00	9.80	11.00	6.50
3.00	9.90	9.00	9.00	12.00	6.40
4.00	9.90	9.25	8.60	12.50	6.30
5.00	9.90	9.50	8.00		

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Lake # 110 24 OCT 84 (Day 297) Time: 09 47 CDT
Air Temperature: 4 (C) Wind: S 15 - 20 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.8 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 7.8 (C)
Epilimnion Temperature: 7.9 (C) Epilimnion Depth (1 C/M): 12.25 (M)
Planar-Thermocline : 12.25 (M) Change at Planar-Thermo: 2.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	7.80	5.00	8.10	10.00	8.10
1.00	7.90	6.00	8.10	11.00	8.10
2.00	8.00	7.00	8.10	12.00	7.70
3.00	8.00	8.00	8.10	12.50	6.70
4.00	8.10	9.00	8.10		

****

Lake # 114 1 MAY 84 (Day 121) Time: 08 40 CDT
Air Temperature:
Cloud Cover: 10 /10
Secchi Visibility: 3.5 (M)
Inflow Temperature:
Surface Temperature: 6.5 (C)
Epilimnion Temperature: 6.6 (C)
Planar-Thermocline : .5 (M)

Wind: NW 5 - 10 KMPH
Weather Description: SNOWING
Water Color:
Outflow Temperature:

Epilimnion Depth (1 C/M): 4 (M)
Change at Planar-Thermo: -.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.50	2.00	6.60	4.00	6.60
1.00	6.60	3.00	6.60		

****

Lake # 114 15 MAY 84 (Day 135) Time: 08 45 CDT
Air Temperature: 10 (C)
Cloud Cover: 0 /10
Secchi Visibility: 3.5 (M)
Inflow Temperature:
Surface Temperature: 11.95 (C)
Epilimnion Temperature: 11.95 (C)
Planar-Thermocline : 4.5 (M)

Wind: NW 0 - 5 KMPH
Weather Description:
Water Color: PALE
Outflow Temperature:

Epilimnion Depth (1 C/M): 4.5 (M)
Change at Planar-Thermo: 1.900 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.95	2.00	11.85	4.00	11.20
1.00	11.95	3.00	11.50	5.00	9.30

****

Lake # 114 29 MAY 84 (Day 149) Time: 08 32 CDT
Air Temperature: 13 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.9 (C)
Epilimnion Temperature: 14 (C) Epilimnion Depth (1 C/M): 4.625 (M)
Planar-Thermocline : 4.625 (M) Change at Planar-Thermo: 1.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.90	3.00	13.70	4.50	13.50
1.00	14.00	4.00	13.70	4.75	13.10
2.00	14.00	4.25	13.60	5.00	12.80

****

Lake # 114 26 JUN 84 (Day 177) Time: 08 45 CDT
Air Temperature: 17 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 1.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.9 (C)
Epilimnion Temperature: 19.8 (C) Epilimnion Depth (1 C/M): 4.45 (M)
Planar-Thermocline : 4.45 (M) Change at Planar-Thermo: 1.111 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.90	2.00	19.80	4.00	19.70
1.00	19.80	3.00	19.80	4.90	18.70

****

Lake # 114 10 JUL 84 (Day 191) Time: 11 11 CDT
Air Temperature: 23.6 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.3 (C)
Epilimnion Temperature: 22.2 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 3.625 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.30	3.25	21.10	4.25	20.00
1.00	22.20	3.50	21.00	4.50	19.90
2.00	22.10	3.75	20.40	4.75	19.40
3.00	21.50	4.00	20.20		

****

Lake # 114 24 JUL 84 (Day 205) Time: 08 53 CDT
Air Temperature: 23.5 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 1.8 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.5 (C)
Epilimnion Temperature: 22.7 (C) Epilimnion Depth (1 C/M): 3.375 (M)
Planar-Thermocline : 3.625 (M) Change at Planar-Thermo: 2.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.50	3.25	22.90	4.00	21.60
1.00	22.70	3.50	22.60	4.25	21.30
2.00	22.80	3.75	21.90	4.50	20.90
3.00	22.90				

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Lake # 114 7 AUG 84 (Day 219) Time: 11 32 CDT
Air Temperature: 29 (C) Wind: W 5 - 10 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 2 (M) Water Color: YELLOW-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 27.9 (C)
Epilimnion Temperature: 27.8 (C) Epilimnion Depth (1 C/M): 2.375 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 3.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	27.90	2.75	26.30	4.00	23.60
1.00	27.80	3.00	25.70	4.25	23.00
2.00	27.20	3.25	24.80	4.50	22.80
2.25	27.00	3.50	24.20	4.75	22.40
2.50	26.60	3.75	24.00		

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Lake # 114 21 AUG 84 (Day 233) Time: 08 36 CDT
Air Temperature: 19 (C) Wind: SW 15 - 20 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 2.2 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.2 (C)
Epilimnion Temperature: 23.2 (C) Epilimnion Depth (1 C/M): 4.25 (M)
Planar-Thermocline : 4.25 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.20	2.00	23.20	4.00	23.20
1.00	23.20	3.00	23.20	4.50	21.60

****

Lake # 114 4 SEP 84 (Day 247) Time: 08 59 CDT
Air Temperature: 15 (C) Wind: N 0 - 5 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 2.1 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.6 (C)
Epilimnion Temperature: 16.5 (C) Epilimnion Depth (1 C/M): 4.5 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: 0.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.60	2.00	16.40	4.00	16.30
1.00	16.50	3.00	16.40	4.50	16.30

****

Lake # 114 18 SEP 84 (Day 261) Time: 11 24 CDT
Air Temperature: 15 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 2.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.3 (C)
Epilimnion Temperature: 13.1 (C) Epilimnion Depth (1 C/M): 4.75 (M)
Planar-Thermocline : 4.375 (M) Change at Planar-Thermo: 0.267 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.30	2.00	13.00	4.00	12.90
1.00	13.10	3.00	13.00	4.75	12.70

****

Lake # 114 16 OCT 84 (Day 289) Time: 11 29 CDT
Air Temperature: 14 (C) Wind: N 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.3 (C)
Epilimnion Temperature: 13.3 (C) Epilimnion Depth (1 C/M): 4 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: 0.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.30	2.00	13.30	4.00	13.30
1.00	13.30	3.00	13.30		

****

Lake # 222 8 MAY 84 (Day 128) Time: 08 48 CDT
Air Temperature: 8 (C) Wind: NW 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.6 (C)
Epilimnion Temperature: 10.7 (C) Epilimnion Depth (1 C/M): 1.625 (M)
Planar-Thermocline : 1.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.60	1.75	8.80	2.75	6.80
1.00	10.70	2.00	8.20	3.00	6.70
1.25	10.50	2.25	7.70	4.00	6.40
1.50	10.40	2.50	7.20	5.00	6.10

****

Lake # 222 22 MAY 84 (Day 142) Time: 10 07 CDT
Air Temperature: 15 (C) Wind: S 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 1.8 (M) Water Color: ORANGE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.2 (C)
Epilimnion Temperature: 13.1 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 2.875 (M) Change at Planar-Thermo: 3.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.20	2.50	11.70	3.50	8.90
1.00	13.10	2.75	11.30	3.75	8.10
2.00	12.50	3.00	10.40	4.00	8.50
2.25	12.15	3.25	9.80	5.00	6.70

****

Lake # 222 5 JUN 84 (Day 156) Time: 08 50 CDT
Air Temperature: 16 (C) Wind: -
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.9 (C)
Epilimnion Temperature: 17.9 (C) Epilimnion Depth (1 C/M): 2.375 (M)
Planar-Thermocline : 2.875 (M) Change at Planar-Thermo: 8.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.90	2.75	14.60	4.00	8.80
1.00	17.90	3.00	12.50	4.25	8.00
2.00	17.30	3.25	11.10	4.50	7.70
2.25	17.10	3.50	10.60	4.75	7.40
2.50	15.70	3.75	9.80	5.00	7.20

****

Lake # 222 18 JUN 84 (Day 169) Time: 08 54 CDT
Air Temperature: 17 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 2.8 (M) Water Color: ORANGE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.9 (C)
Epilimnion Temperature: 19.9 (C) Epilimnion Depth (1 C/M): 1.375 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.90	2.50	16.90	4.00	9.80
1.00	19.90	2.75	16.10	4.25	8.80
1.25	19.90	3.00	15.40	4.50	8.30
1.50	18.60	3.25	13.50	4.75	7.80
1.75	18.20	3.50	12.15	5.00	7.50
2.00	17.90	3.75	10.30	5.50	7.20
2.25	17.20				

****

Lake # 222 3 JUL 84 (Day 184) Time: 09 27 CDT
Air Temperature: 22.5 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 1.6 (M) Water Color: PALE -BROWN
Inflow Temperature: 11 (C) Outflow Temperature:
Surface Temperature: 22.7 (C)
Epilimnion Temperature: 22.6 (C) Epilimnion Depth (1 C/M): 1.125 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.70	2.25	19.90	3.75	12.80
1.00	22.60	2.50	19.10	4.00	11.40
1.25	22.10	2.75	17.40	4.25	9.90
1.50	21.90	3.00	16.70	4.50	9.30
1.75	21.40	3.25	14.90	4.75	8.80
2.00	20.90	3.50	13.70	5.00	8.10

****

Lake # 222 17 JUL 84 (Day 198) Time: 08 43 CDT
Air Temperature: 21.5 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description: SUNNY
Secchi Visibility: 2.5 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.5 (C)
Epilimnion Temperature: 21.5 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.50	3.00	17.70	4.25	11.10
1.00	21.50	3.25	15.80	4.50	10.40
2.00	21.30	3.50	14.10	4.75	9.50
2.25	20.90	3.75	13.00	5.00	9.10
2.50	20.80	4.00	11.85	5.25	8.70
2.75	19.00				

****

Lake # 222 31 JUL 84 (Day 212) Time: 09 06 CDT
Air Temperature: 23 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 9 /10 Weather Description: SUNNY
Secchi Visibility: 3.3 (M) Water Color: BROWN
Inflow Temperature: 6.25 (C) Outflow Temperature:
Surface Temperature: 23.4 (C)
Epilimnion Temperature: 23.4 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.40	3.00	19.00	4.25	11.80
1.00	23.40	3.25	17.00	4.50	10.60
2.00	22.90	3.50	15.60	4.75	9.80
2.25	22.60	3.75	14.30	5.00	9.20
2.50	21.60	4.00	12.90	5.25	8.80
2.75	20.40				

****

Lake # 222 14 AUG 84 (Day 226) Time: 08 56 CDT
Air Temperature: 22 (C) Wind: E 15 - 20 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 2.6 (M) Water Color: ORANGE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.5 (C)
Epilimnion Temperature: 23.5 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 9.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.50	3.00	20.50	4.25	12.90
1.00	23.50	3.25	18.20	4.50	11.70
2.00	23.10	3.50	16.80	4.75	10.90
2.25	22.70	3.75	15.50	5.00	9.90
2.50	22.40	4.00	14.30	5.25	9.50
2.75	21.70				

****

Lake # 222 28 AUG 84 (Day 240) Time: 09 00 CDT
Air Temperature: 24.5 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.6 (C)
Epilimnion Temperature: 22.5 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.60	3.00	20.30	4.25	13.70
1.00	22.50	3.25	19.50	4.50	12.35
2.00	21.90	3.50	18.50	4.75	11.40
2.25	21.40	3.75	17.20	5.00	10.70
2.50	21.00	4.00	15.70	5.25	10.10
2.75	20.60				

****

Lake # 222 11 SEP 84 (Day 254) Time: 10 44 CDT
Air Temperature: 13.5 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.6 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.6 (C)
Epilimnion Temperature: 15.8 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 4.625 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.60	4.00	15.90	4.75	12.60
1.00	15.80	4.25	15.10	5.00	11.40
2.00	15.90	4.50	14.60	5.25	10.70
3.00	15.90				

****

Lake # 222 25 SEP 84 (Day 268) Time: 09 18 CDT
Air Temperature: 7.6 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: BROWN -ORANGE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.95 (C)
Epilimnion Temperature: 12.3 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 1.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.95	3.00	12.40	5.00	12.30
1.00	12.30	4.00	12.40	5.25	12.05
2.00	12.30				

****

Lake # 223 1 MAY 84 (Day 121) Time: 09 31 CDT
Air Temperature: 2 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.75 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 6.1 (C)
Epilimnion Temperature: 6.1 (C) Epilimnion Depth (1 C/M): 14 (M)
Planar-Thermocline : 1.5 (M) Change at Planar-Thermo: -.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.10	5.00	6.20	10.00	6.20
1.00	6.10	6.00	6.20	11.00	6.20
2.00	6.20	7.00	6.20	12.00	6.20
3.00	6.20	8.00	6.20	13.00	6.20
4.00	6.20	9.00	6.20	14.00	6.10

****

Lake # 223 15 MAY 84 (Day 135) Time: 08 41 CDT
Air Temperature: 11.5 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 5.25 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 9.2 (C)
Epilimnion Temperature: 9.2 (C) Epilimnion Depth (1 C/M): 14 (M)
Planar-Thermocline : 4.5 (M) Change at Planar-Thermo: 0.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	9.20	5.00	8.10	10.00	6.70
1.00	9.20	6.00	7.70	11.00	6.50
2.00	9.20	7.00	7.60	12.00	6.40
3.00	9.20	8.00	7.40	13.00	6.30
4.00	8.70	9.00	6.90	14.00	6.30

****

Lake # 223 29 MAY 84 (Day 149) Time: 09 02 CDT
Air Temperature: 18 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 8.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.35 (C)
Epilimnion Temperature: 12.35 (C) Epilimnion Depth (1 C/M): 5.5 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.35	6.25	11.60	8.00	8.20
1.00	12.35	6.50	11.50	9.00	7.80
2.00	12.25	6.75	10.90	10.00	7.60
3.00	12.25	7.00	10.20	11.00	7.40
4.00	12.15	7.25	9.20	12.00	7.10
5.00	12.95	7.50	8.70	13.00	6.90
6.00	11.80	7.75	8.50	14.00	6.90

****

Lake # 223 12 JUN 84 (Day 163) Time: 09 30 CDT
Air Temperature: 15 (C) Wind: NE 15 - 20 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 7.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16 (C)
Epilimnion Temperature: 15.9 (C) Epilimnion Depth (1 C/M): 5.5 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.00	6.50	12.80	8.50	9.60
1.00	15.90	6.75	12.15	8.75	9.40
2.00	15.80	7.00	11.60	9.00	9.30
3.00	15.70	7.25	11.20	10.00	8.90
4.00	15.70	7.50	10.90	11.00	8.60
5.00	15.70	7.75	10.60	12.00	8.20
6.00	14.70	8.00	10.40	13.00	7.90
6.25	13.50	8.25	10.00	14.00	7.80

****

Lake # 223 19 JUN 84 (Day 170) Time: 08 54 CDT
Air Temperature: 17 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 2.8 (M) Water Color: ORANGE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.9 (C)
Epilimnion Temperature: 19.9 (C) Epilimnion Depth (1 C/M): 1.375 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.90	2.50	16.90	4.00	9.80
1.00	19.90	2.75	16.10	4.25	8.80
1.25	19.90	3.00	15.40	4.50	8.20
1.50	18.60	3.25	13.50	4.75	7.80
1.75	18.20	3.50	12.15	5.00	7.60
2.00	17.90	3.75	10.30	5.50	7.20
2.25	17.20				

****

Lake # 223 26 JUN 84 (Day 177) Time: 09 03 CDT
Air Temperature: 19 (C) Wind: SW 15 - 20 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 6.2 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.7 (C)
Epilimnion Temperature: 18.7 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.70	6.00	17.10	8.25	11.50
1.00	18.70	6.25	16.20	8.50	11.10
2.00	18.70	6.50	15.00	8.75	10.80
3.00	18.70	6.75	14.30	9.00	10.60
4.00	18.70	7.00	13.50	10.00	10.00
5.00	18.60	7.25	12.90	11.00	9.50
5.25	18.10	7.50	12.50	12.00	9.20
5.50	17.60	7.75	12.35	13.00	9.20
5.75	17.40	8.00	11.95	14.00	9.00

****

Lake # 223 10 JUL 84 (Day 191) Time: 08 45 CDT
Air Temperature: 23 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 7.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.5 (C)
Epilimnion Temperature: 20.4 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.50	6.50	18.70	8.50	12.60
1.00	20.40	6.75	17.90	8.75	12.40
2.00	20.30	7.00	16.70	9.00	12.25
3.00	20.30	7.25	15.80	10.00	11.20
4.00	20.20	7.50	14.70	11.00	10.70
5.00	20.00	7.75	14.00	12.00	10.10
6.00	19.20	8.00	13.20	13.00	9.40
6.25	18.70	8.25	12.90	14.00	9.30

****

Lake # 223 24 JUL 84 (Day 205) Time: 09 10 CDT
Air Temperature: 23.5 (C) Wind: W 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.8 (C)
Epilimnion Temperature: 21.9 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.80	7.00	18.60	9.25	12.60
1.00	21.90	7.25	17.70	9.50	12.30
2.00	21.90	7.50	17.00	9.75	12.05
3.00	21.90	7.75	16.10	10.00	11.95
4.00	21.90	8.00	15.40	11.00	11.20
5.00	21.80	8.25	14.70	12.00	10.60
6.00	21.30	8.50	14.10	13.00	10.20
6.25	20.90	8.75	13.50	14.00	10.00
6.50	20.30	9.00	13.10	14.50	9.20
6.75	19.60				

****

Lake # 223 7 AUG 84 (Day 219) Time: 09 11 CDT
Air Temperature: 28 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 6.5 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24.5 (C)
Epilimnion Temperature: 24.5 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 3.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.50	6.75	20.90	9.75	13.00
1.00	24.50	7.00	20.20	10.00	12.70
2.00	24.50	7.25	19.30	10.25	12.35
3.00	24.40	7.50	18.40	10.50	12.25
4.00	24.10	7.75	17.60	10.75	12.15
5.00	23.70	8.00	17.00	11.00	11.60
5.25	23.50	8.25	16.40	11.25	11.00
5.50	23.40	8.50	15.80	11.50	10.80
5.75	23.20	8.75	15.20	11.75	10.70
6.00	23.00	9.00	14.50	12.00	10.60
6.25	22.50	9.25	14.00	13.00	9.90
6.50	21.80	9.50	13.30	14.00	9.50

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Lake # 223 21 AUG 84 (Day 233) Time: 08 58 CDT
Air Temperature: 22.5 (C) Wind: SW 15 - 20 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 6.6 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23 (C)
Epilimnion Temperature: 23 (C) Epilimnion Depth (1 C/M): 7.375 (M)
Planar-Thermocline : 7.375 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.00	8.00	18.20	10.50	12.60
1.00	23.00	8.25	17.20	10.75	12.25
2.00	23.00	8.50	16.50	11.00	11.70
3.00	23.00	8.75	16.20	11.25	11.20
4.00	23.00	9.00	15.60	11.50	11.00
5.00	23.00	9.25	14.80	11.75	10.70
6.00	22.95	9.50	14.40	12.00	10.50
7.00	22.90	9.75	13.90	13.00	10.10
7.25	22.70	10.00	13.50	14.00	9.80
7.50	21.00	10.25	13.10	14.25	9.40
7.75	19.40				

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Lake # 223 18 SEP 84 (Day 261) Time: 09 09 CDT
Air Temperature: 15 (C) Wind: SE 20 - 25 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 3.3 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.5 (C)
Epilimnion Temperature: 15.6 (C) Epilimnion Depth (1 C/M): 10.125 (M)
Planar-Thermocline : 11.125 (M) Change at Planar-Thermo: 7.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.50	8.00	15.60	11.50	11.60
1.00	15.60	9.00	15.60	11.75	11.10
2.00	15.60	10.00	15.60	12.00	10.60
3.00	15.60	10.25	15.10	12.25	10.30
4.00	15.60	10.50	13.00	12.50	10.00
5.00	15.60	10.75	14.80	12.75	9.90
6.00	15.60	11.00	13.70	13.00	9.90
7.00	15.60	11.25	11.85	14.00	9.60

****

Lake # 223 2 OCT 84 (Day 275) Time: 09 16 CDT
Air Temperature: 8 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 2.4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.7 (C)
Epilimnion Temperature: 11.7 (C) Epilimnion Depth (1 C/M): 14 (M)
Planar-Thermocline : 10.5 (M) Change at Planar-Thermo: 0.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.70	5.00	11.70	10.00	11.70
1.00	11.70	6.00	11.70	11.00	11.60
2.00	11.70	7.00	11.70	12.00	11.60
3.00	11.70	8.00	11.70	13.00	11.60
4.00	11.70	9.00	11.70	14.00	11.50

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Lake # 223 16 OCT 84 (Day 289) Time: 09 16 CDT
Air Temperature: 13 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.1 (M) Water Color: GREEN -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13 (C)
Epilimnion Temperature: 12.6 (C) Epilimnion Depth (1 C/M): 14 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: 0.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.00	5.00	12.05	10.00	11.00
1.00	12.60	6.00	11.70	11.00	11.00
2.00	12.60	7.00	11.50	12.00	10.90
3.00	12.60	8.00	11.20	13.00	10.90
4.00	12.30	9.00	11.00	14.00	10.80

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Lake # 224 15 MAY 84 (Day 135) Time: 10 11 CDT
Air Temperature: 14.5 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 7 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 9.3 (C)
Epilimnion Temperature: 9.3 (C) Epilimnion Depth (1 C/M): 26 (M)
Planar-Thermocline : 7.5 (M) Change at Planar-Thermo: 0.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	9.30	9.00	5.70	18.00	4.90
1.00	9.30	10.00	5.60	19.00	4.90
2.00	9.10	11.00	5.80	20.00	4.80
3.00	8.80	12.00	5.70	21.00	4.80
4.00	8.20	13.00	5.60	22.00	4.80
5.00	7.80	14.00	5.50	23.00	4.70
6.00	7.50	15.00	5.40	24.00	4.70
7.00	7.00	16.00	5.00	25.00	4.70
8.00	6.20	17.00	5.00	26.00	4.60

****

Lake # 224 29 MAY 84 (Day 149) Time: 10 27 CDT
Air Temperature: 18 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 7.1 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.7 (C)
Epilimnion Temperature: 12.25 (C) Epilimnion Depth (1 C/M): 6.5 (M)
Planar-Thermocline : 7.375 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.70	7.75	8.80	17.00	5.40
1.00	12.25	8.00	8.60	18.00	5.00
2.00	12.05	9.00	7.70	19.00	4.90
3.00	11.95	10.00	6.70	20.00	4.90
4.00	11.95	11.00	6.00	21.00	4.90
5.00	11.85	12.00	5.80	22.00	4.80
6.00	11.80	13.00	5.60	23.00	4.80
7.00	10.80	14.00	5.70	24.00	4.80
7.25	10.00	15.00	5.60	25.00	4.80
7.50	9.00	16.00	5.40	26.00	4.80

****

Lake # 224 12 JUN 84 (Day 163) Time: 10 15 CDT
Air Temperature: 16 (C) Wind: NE 20 - 25 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 6.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.6 (C)
Epilimnion Temperature: 15.6 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 3.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.60	7.50	10.80	15.00	5.80
1.00	15.60	7.75	10.50	16.00	5.60
2.00	15.50	8.00	9.90	17.00	5.50
3.00	15.50	8.25	9.30	18.00	5.40
4.00	15.50	8.50	9.00	19.00	5.10
5.00	15.40	8.75	8.60	20.00	5.10
6.00	14.70	9.00	8.40	21.00	5.00
6.25	14.40	10.00	7.80	22.00	5.00
6.50	13.60	11.00	7.10	23.00	5.00
6.75	13.00	12.00	6.50	24.00	5.00
7.00	12.15	13.00	6.20	25.00	5.00
7.25	11.40	14.00	5.90		

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Lake # 224 26 JUN 84 (Day 177) Time: 10 44 CDT
Air Temperature: 20 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 6.6 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.9 (C)
Epilimnion Temperature: 18.9 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.90	7.00	14.10	14.00	6.60
1.00	18.90	7.25	13.10	15.00	6.20
2.00	18.90	7.50	12.50	16.00	6.10
3.00	18.80	7.75	11.95	17.00	5.80
4.00	18.80	8.00	11.20	18.00	5.70
5.00	18.00	8.25	10.80	19.00	5.60
5.25	17.60	8.50	10.10	20.00	5.50
5.50	17.30	8.75	9.80	21.00	5.40
5.75	17.00	9.00	9.40	22.00	5.40
6.00	16.40	10.00	8.70	23.00	5.10
6.25	15.80	11.00	7.70	24.00	5.10
6.50	15.20	12.00	7.30	25.00	5.10
6.75	14.70	13.00	6.90		

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Lake # 224 10 JUL 84 (Day 191) Time: 09 38 CDT
Air Temperature: 23.5 (C) Wind: SE 5 - 10 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 9.1 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.5 (C)
Epilimnion Temperature: 20.4 (C) Epilimnion Depth (1 C/M): 3.5 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.50	7.75	14.10	14.00	6.80
1.00	20.40	8.00	13.00	15.00	6.50
2.00	20.30	8.25	12.50	16.00	6.30
3.00	20.30	8.50	12.15	17.00	6.10
4.00	22.20	8.75	11.70	18.00	5.90
5.00	19.90	9.00	11.00	19.00	5.80
6.00	19.20	9.25	10.50	20.00	5.60
6.25	10.20	9.50	10.00	21.00	5.50
6.50	17.60	9.75	9.60	22.00	5.50
6.75	17.20	10.00	9.40	23.00	5.50
7.00	16.10	11.00	8.90	24.00	5.50
7.25	15.50	12.00	8.20	25.00	5.40
7.50	14.90	13.00	7.30	25.50	5.40

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Lake # 224 24 JUL 84 (Day 205) Time: 10 46 CDT
Air Temperature: 24 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 9.6 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.9 (C)
Epilimnion Temperature: 21.9 (C) Epilimnion Depth (1 C/M): 6.375 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.90	8.25	14.30	12.00	8.40
1.00	21.90	8.50	13.40	13.00	7.90
2.00	21.80	8.75	13.00	14.00	7.40
3.00	21.70	9.00	12.60	15.00	7.10
4.00	21.70	9.25	12.25	16.00	6.70
5.00	21.50	9.50	11.80	17.00	6.40
6.00	21.30	9.75	11.10	18.00	6.30
6.25	21.10	10.00	10.80	19.00	6.10
6.50	20.50	10.25	10.40	20.00	6.00
6.75	20.00	10.50	10.00	21.00	5.80
7.00	18.60	10.75	9.40	22.00	5.80
7.25	17.50	11.00	9.20	23.00	5.70
7.50	16.60	11.25	8.90	24.00	5.70
7.75	15.80	11.50	8.70	25.00	5.70
8.00	14.80	11.75	8.60	25.50	5.60

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Lake # 224 7 AUG 84 (Day 219) Time: 10 10 CDT
Air Temperature: 28 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 1 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24.5 (C)
Epilimnion Temperature: 24.4 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.50	8.25	15.90	12.00	9.10
1.00	24.40	8.50	14.90	13.00	8.40
2.00	24.10	8.75	14.30	14.00	7.70
3.00	24.00	9.00	13.90	15.00	7.20
4.00	23.80	9.25	13.20	16.00	6.90
5.00	23.40	9.50	12.90	17.00	6.70
6.00	22.80	9.75	12.60	18.00	6.50
6.25	22.50	10.00	12.35	19.00	6.20
6.50	22.30	10.25	11.80	20.00	6.10
6.75	21.70	10.50	11.20	21.00	5.90
7.00	20.60	10.75	10.80	22.00	5.90
7.25	19.60	11.00	10.50	23.00	5.80
7.50	18.50	11.25	9.90	24.00	5.70
7.75	17.50	11.50	9.40	25.00	5.70
8.00	16.80	11.75	9.20		

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Lake # 224 21 AUG 84 (Day 233) Time: 10 07 CDT
Air Temperature: 20 (C) Wind: S 20 - 25 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 7.5 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.8 (C)
Epilimnion Temperature: 22.9 (C) Epilimnion Depth (1 C/M): 7.375 (M)
Planar-Thermocline : 7.875 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.80	8.75	16.30	13.00	9.00
1.00	22.90	9.00	15.50	14.00	8.30
2.00	22.90	9.25	14.80	15.00	7.70
3.00	22.90	9.50	14.00	16.00	7.30
4.00	22.90	9.75	13.70	17.00	6.90
5.00	22.90	10.00	13.30	18.00	6.70
6.00	22.90	10.25	12.60	19.00	6.40
7.00	22.80	10.50	12.50	20.00	6.30
7.25	22.60	10.75	11.80	21.00	6.10
7.50	22.30	11.00	11.20	22.00	6.00
7.75	20.90	11.25	10.80	23.00	6.00
8.00	18.90	11.50	10.60	24.00	5.90
8.25	18.10	11.75	10.10	25.00	5.70
8.50	17.30	12.00	9.80	26.00	5.70

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Lake # 224 4 SEP 84 (Day 247) Time: 08 37 CDT
Air Temperature: 17 (C) Wind: -
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 8.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.8 (C)
Epilimnion Temperature: 18.8 (C) Epilimnion Depth (1 C/M): 9.125 (M)
Planar-Thermocline : 9.125 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.80	9.75	14.70	15.00	7.90
1.00	18.80	10.00	14.00	16.00	7.60
2.00	19.00	10.25	13.30	17.00	7.00
3.00	19.10	10.50	12.90	18.00	6.70
4.00	19.10	10.75	12.30	19.00	6.50
5.00	19.10	11.00	11.95	20.00	6.30
6.00	19.10	11.25	11.60	21.00	6.20
7.00	19.10	11.50	10.90	22.00	6.10
8.00	19.10	11.75	10.70	23.00	6.00
9.00	18.80	12.00	10.40	24.00	5.90
9.25	17.10	13.00	9.40	25.00	5.90
9.50	15.70	14.00	8.80	25.75	5.90

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Lake # 224 18 SEP 84 (Day 261) Time: 14 10 CDT
Air Temperature: 18.2 (C) Wind: S 5 - 10 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 7.2 (M) Water Color: GREEN -BLUE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16 (C)
Epilimnion Temperature: 15.9 (C) Epilimnion Depth (1 C/M): 10.875 (M)
Planar-Thermocline : 11.125 (M) Change at Planar-Thermo: 6.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.00	10.50	15.00	15.00	8.20
1.00	15.90	10.75	15.10	16.00	7.80
2.00	15.80	11.00	13.90	17.00	7.30
3.00	15.80	11.25	12.35	18.00	6.90
4.00	15.80	11.50	11.80	19.00	6.60
5.00	15.70	11.75	11.50	20.00	6.30
6.00	15.70	12.00	11.00	21.00	6.20
7.00	15.70	12.25	10.80	22.00	6.10
8.00	15.60	12.50	10.20	23.00	6.00
9.00	15.60	12.75	9.40	24.00	5.90
10.00	15.40	13.00	9.20	25.00	5.90
10.25	15.20	14.00	8.80	25.25	5.80

****

Lake # 224 2 OCT 84 (Day 275) Time: 09 53 CDT
Air Temperature: 10 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 7.7 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.5 (C)
Epilimnion Temperature: 11.7 (C) Epilimnion Depth (1 C/M): 13.125 (M)
Planar-Thermocline : 13.875 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.50	11.00	11.60	16.00	7.70
1.00	11.70	12.00	11.60	17.00	7.30
2.00	11.70	13.00	11.40	18.00	6.90
3.00	11.60	13.25	11.10	19.00	6.60
4.00	11.60	13.50	10.90	20.00	6.30
5.00	11.60	13.75	10.40	21.00	6.20
6.00	11.60	14.00	9.60	22.00	6.10
7.00	11.60	14.25	8.80	23.00	6.00
8.00	11.60	14.50	8.50	24.00	6.00
9.00	11.60	14.75	8.30	25.00	5.90
10.00	11.60	15.00	8.20	25.50	5.80

****

Lake # 224 30 OCT 84 (Day 303) Time: 09 25 CDT
Air Temperature: 2 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 6.4 (M) Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 7.4 (C)
Epilimnion Temperature: 7.6 (C) Epilimnion Depth (1 C/M): 25 (M)
Planar-Thermocline : 20.5 (M) Change at Planar-Thermo: 0.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	7.40	9.00	7.80	18.00	7.70
1.00	7.60	10.00	7.80	19.00	7.60
2.00	7.70	11.00	7.80	20.00	7.30
3.00	7.80	12.00	7.80	21.00	6.50
4.00	7.80	13.00	7.80	22.00	6.20
5.00	7.80	14.00	7.80	23.00	6.10
6.00	7.80	15.00	7.80	24.00	6.00
7.00	7.80	16.00	7.70	25.00	6.00
8.00	7.80	17.00	7.70		

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Lake # 226 NE 23 MAY 84 (Day 143) Time: 09 05 CDT
Air Temperature: 15 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13 (C)
Epilimnion Temperature: 13 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.00	4.25	9.90	7.00	5.90
1.00	13.00	4.50	9.20	8.00	5.70
2.00	12.90	4.75	8.80	9.00	5.00
3.00	12.30	5.00	8.40	10.00	4.80
3.25	12.05	5.25	7.80	11.00	4.70
3.50	11.85	5.50	7.40	12.00	4.60
3.75	11.60	5.75	7.00	13.00	4.60
4.00	10.90	6.00	6.80	14.00	4.60

****

Lake # 226 NE 7 JUN 84 (Day 158) Time: 14 05 CDT
Air Temperature: 16 (C) Wind: NW 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.8 (C)
Epilimnion Temperature: 16.8 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.80	4.25	13.10	7.00	6.40
1.00	16.80	4.50	12.00	8.00	5.60
2.00	16.70	4.75	11.30	9.00	5.20
3.00	16.50	5.00	10.50	10.00	4.90
3.25	16.50	5.25	8.90	11.00	4.70
3.50	16.30	5.50	8.50	12.00	4.60
3.75	15.40	5.75	8.10	13.00	4.60
4.00	14.40	6.00	7.50	14.00	4.60

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Lake # 226 NE 20 JUN 84 (Day 171) Time: 08 57 CDT
Air Temperature: 20 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4.9 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.3 (C)
Epilimnion Temperature: 19.3 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.30	4.25	15.20	7.00	6.90
1.00	19.30	4.50	14.40	7.25	6.40
2.00	19.20	4.75	13.40	7.50	6.20
2.25	18.90	5.00	12.20	7.75	6.00
2.50	18.60	5.25	11.60	8.00	5.80
2.75	18.10	5.50	10.50	9.00	5.40
3.00	17.70	5.75	9.40	10.00	5.00
3.25	17.50	6.00	8.90	11.00	4.70
3.50	17.20	6.25	8.40	12.00	4.70
3.75	16.70	6.50	8.00	13.00	4.70
4.00	16.20	6.75	7.30	14.00	4.70

****

Lake # 226 NE 5 JUL 84 (Day 186) Time: 15 20 CDT
Air Temperature: 18 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.1 (M) Water Color: GREEN -YELLOW
Inflow Temperature: 99 (C) Outflow Temperature:
Surface Temperature: 21.7 (C)
Epilimnion Temperature: 21.7 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.70	4.75	14.50	7.25	6.70
1.00	21.70	5.00	13.30	7.50	6.50
2.00	21.60	5.25	12.50	7.75	6.30
3.00	21.50	5.50	10.80	8.00	6.10
3.25	20.50	5.75	10.50	9.00	5.60
3.50	20.00	6.00	9.30	10.00	5.30
3.75	19.30	6.25	8.90	11.00	4.90
4.00	18.40	6.50	8.50	12.00	4.80
4.25	16.90	6.75	7.90	13.00	4.80
4.50	15.60	7.00	7.40	14.00	4.70

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Lake # 226 NE 18 JUL 84 (Day 199) Time: 08 33 CDT
Air Temperature: 16.6 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.1 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.5 (C)
Epilimnion Temperature: 20.7 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.50	5.50	12.40	7.75	6.80
1.00	20.70	5.75	11.85	8.00	6.50
2.00	20.70	6.00	10.50	9.00	5.80
3.00	20.70	6.25	9.40	10.00	5.40
4.00	20.70	6.50	8.90	11.00	5.00
4.25	18.70	6.75	8.50	12.00	5.00
4.50	17.40	7.00	7.90	13.00	4.90
4.75	16.30	7.25	7.60	14.00	4.80
5.00	14.90	7.50	7.00	14.50	4.80
5.25	13.70				

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Lake # 226 NE 2 AUG 84 (Day 214) Time: 10 25 CDT
Air Temperature: 22 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.1 (C)
Epilimnion Temperature: 23.1 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 8.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.10	4.75	17.60	7.25	8.10
1.00	23.10	5.00	16.70	7.50	7.60
2.00	23.00	5.25	14.50	7.75	7.10
3.00	22.80	5.50	14.10	8.00	6.70
3.25	22.60	5.75	12.40	9.00	5.90
3.50	22.60	6.00	11.10	10.00	5.50
3.75	22.00	6.25	10.30	11.00	5.40
4.00	21.20	6.50	9.60	12.00	5.00
4.25	19.90	6.75	9.00	13.00	4.90
4.50	18.90	7.00	8.50	14.00	4.90

****

Lake # 226 NE 16 AUG 84 (Day 228) Time: 11 04 CDT
Air Temperature: 22.5 (C) Wind: NE 5 - 10 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 4.5 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.5 (C)
Epilimnion Temperature: 23.6 (C) Epilimnion Depth (1 C/M): 3.875 (M)
Planar-Thermocline : 4.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.50	5.25	15.70	8.00	7.00
1.00	23.60	5.50	14.30	8.25	6.80
2.00	23.70	5.75	13.30	8.50	6.40
3.00	23.70	6.00	11.95	8.75	6.20
3.25	23.70	6.25	11.40	9.00	6.00
3.50	23.70	6.50	10.50	10.00	5.60
3.75	23.60	6.75	9.50	11.00	5.10
4.00	22.70	7.00	8.90	12.00	5.00
4.25	21.60	7.25	8.20	13.00	4.90
4.50	20.20	7.50	7.80	14.00	4.90
4.75	18.60	7.75	7.50	14.50	4.90
5.00	17.10				

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Lake # 226 NE 30 AUG 84 (Day 242) Time: 09 15 CDT
Air Temperature: 21 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.1 (C)
Epilimnion Temperature: 22.1 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.10	5.75	14.40	8.25	6.80
1.00	22.10	6.00	13.40	8.50	6.50
2.00	22.10	6.25	12.30	8.75	6.30
3.00	22.10	6.50	11.10	9.00	6.20
4.00	21.30	6.75	10.40	10.00	5.70
4.25	20.90	7.00	9.50	11.00	5.40
4.50	20.60	7.25	8.80	12.00	5.10
4.75	20.10	7.50	8.40	13.00	5.00
5.00	18.90	7.75	7.80	14.00	5.00
5.25	17.20	8.00	7.50	14.50	5.00
5.50	15.70				

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Lake # 226 NE 12 SEP 84 (Day 255) Time: 10 16 CDT
Air Temperature: 14 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.3 (C)
Epilimnion Temperature: 16.2 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 8.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.30	6.75	11.95	8.75	6.90
1.00	16.20	7.00	10.90	9.00	6.50
2.00	16.20	7.25	10.80	10.00	5.90
3.00	16.10	7.50	9.20	11.00	5.50
4.00	16.10	7.75	8.70	12.00	5.30
5.00	16.10	8.00	8.10	13.00	5.00
6.00	15.90	8.25	7.80	14.00	5.00
6.25	15.60	8.50	7.20	14.50	4.90
6.50	14.10				

****

Lake # 226 NE 28 SEP 84 (Day 271) Time: 14 05 CDT
Air Temperature: 5 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.6 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.2 (C)
Epilimnion Temperature: 10.4 (C) Epilimnion Depth (1 C/M): 8.125 (M)
Planar-Thermocline : 8.625 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.20	7.00	10.20	10.00	5.80
1.00	10.40	8.00	9.60	11.00	5.40
2.00	10.40	8.25	9.30	12.00	5.00
3.00	10.40	8.50	9.00	13.00	5.00
4.00	10.40	8.75	7.70	14.00	5.00
5.00	10.40	9.00	6.60	14.50	4.70
6.00	10.40				

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Lake # 226 NE 31 OCT 84 (Day 304) Time: 11 38 CDT
Air Temperature: -2 (C) Wind: SE 15 - 20 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 5 (C)
Epilimnion Temperature: 5.1 (C) Epilimnion Depth (1 C/M): 14 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: -.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	5.00	5.00	5.10	10.00	5.00
1.00	5.10	6.00	5.10	11.00	5.00
2.00	5.10	7.00	5.00	12.00	5.00
3.00	5.10	8.00	5.00	13.00	5.00
4.00	5.10	9.00	5.00	14.00	5.00

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Lake # 226 S 23 MAY 84 (Day 143) Time: 08 32 CDT
Air Temperature: 18 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.1 (C)
Epilimnion Temperature: 13 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 3.875 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.10	4.00	9.50	5.75	6.70
1.00	13.00	4.25	8.80	6.00	6.40
2.00	13.00	4.50	8.50	7.00	5.70
3.00	12.40	4.75	8.10	8.00	5.60
3.25	11.85	5.00	7.90	9.00	5.00
3.50	11.70	5.25	7.40	10.00	4.90
3.75	11.10	5.50	7.00	11.00	4.80

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Lake # 226 S 7 JUN 84 (Day 158) Time: 13 40 CDT
Air Temperature: 16 (C) Wind: NW 15 - 20 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: YELLOW-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.8 (C)
Epilimnion Temperature: 16.8 (C) Epilimnion Depth (1 C/M): 3.375 (M)
Planar-Thermocline : 3.375 (M) Change at Planar-Thermo: 9.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.80	4.00	12.40	5.75	7.80
1.00	16.80	4.25	11.20	6.00	7.40
2.00	16.80	4.50	10.30	7.00	6.40
3.00	16.70	4.75	9.60	8.00	5.80
3.25	16.80	5.00	9.10	9.00	5.40
3.50	14.50	5.25	8.70	10.00	5.30
3.75	13.30	5.50	8.00	11.00	5.00

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Lake # 226 S 20 JUN 84 (Day 171) Time: 09 42 CDT
Air Temperature: 22 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: YELLOW-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.4 (C)
Epilimnion Temperature: 19.4 (C) Epilimnion Depth (1 C/M): 1.625 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.40	3.50	16.60	6.25	8.00
1.00	19.40	3.75	16.00	6.50	7.60
1.25	19.30	4.00	15.00	6.75	7.30
1.50	19.30	4.25	14.10	7.00	7.00
1.75	18.80	4.50	13.10	7.25	6.50
2.00	18.50	4.75	11.90	7.50	6.20
2.25	18.10	5.00	10.60	7.75	6.10
2.50	17.80	5.25	9.50	8.00	6.00
2.75	17.50	5.50	9.30	9.00	5.50
3.00	17.30	5.75	9.00	10.00	5.10
3.25	17.00	6.00	8.60	11.00	5.10

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Lake # 226 S 5 JUL 84 (Day 186) Time: 14 53 CDT
Air Temperature: 18 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: YELLOW-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.7 (C)
Epilimnion Temperature: 21.7 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.70	4.50	13.70	6.50	7.70
1.00	21.70	4.75	13.70	6.75	7.40
2.00	21.50	4.75	12.60	7.00	6.90
3.00	20.70	5.00	11.60	8.00	6.20
3.25	19.70	5.25	10.50	9.00	5.60
3.50	19.20	5.50	9.60	10.00	5.40
3.75	17.90	5.75	9.10	11.00	5.30
4.00	16.70	6.00	8.60	11.50	5.30
4.25	15.20	6.25	7.80		

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Lake # 226 S 18 JUL 84 (Day 199) Time: 09 10 CDT
Air Temperature: 19 (C) Wind: NE 20 - 25 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.8 (C)
Epilimnion Temperature: 20.8 (C) Epilimnion Depth (1 C/M): 3.875 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 8.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.80	4.50	15.60	6.50	8.10
1.00	20.80	4.75	14.50	6.75	7.80
2.00	20.80	5.00	13.60	7.00	7.50
3.00	20.80	5.25	11.95	8.00	6.50
3.25	20.70	5.50	10.80	9.00	5.90
3.50	20.70	5.75	10.00	10.00	5.60
3.75	20.70	6.00	9.10	11.00	5.50
4.00	18.80	6.25	8.60	11.50	5.10
4.25	16.70				

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Lake # 226 S 2 AUG 84 (Day 214) Time: 10 00 CDT
Air Temperature: 21 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.4 (C)
Epilimnion Temperature: 23.4 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 8.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.40	4.50	17.60	6.50	8.80
1.00	23.40	4.75	16.50	6.75	8.40
2.00	23.30	5.00	14.40	7.00	7.80
3.00	22.80	5.25	13.30	8.00	6.90
3.25	22.30	5.50	12.30	9.00	6.20
3.50	22.20	5.75	11.20	10.00	5.80
3.75	21.50	6.00	10.50	11.00	5.70
4.00	20.00	6.25	9.50	11.25	5.60
4.25	19.00				

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Lake # 226 S 16 AUG 84 (Day 228) Time: 10 29 CDT
Air Temperature: 22.5 (C) Wind: NE 5 - 10 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.2 (C)
Epilimnion Temperature: 23.4 (C) Epilimnion Depth (1 C/M): 3.875 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 8.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.20	5.00	15.40	7.75	7.60
1.00	23.40	5.25	14.20	8.00	7.20
2.00	23.50	5.50	13.10	8.25	6.80
3.00	23.50	5.75	12.15	8.50	6.50
3.25	23.50	6.00	11.20	8.75	6.30
3.50	23.50	6.25	10.30	9.00	6.10
3.75	23.40	6.50	9.60	10.00	5.70
4.00	22.50	6.75	9.20	11.00	5.60
4.25	20.30	7.00	8.80	11.25	5.60
4.50	18.20	7.25	8.20	11.50	5.50
4.75	16.80	7.50	7.80		

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Lake # 226 S 30 AUG 84 (Day 242) Time: 08 58 CDT
Air Temperature: 19 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.9 (C)
Epilimnion Temperature: 21.9 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.90	5.50	14.20	7.75	8.40
1.00	21.90	5.75	13.30	8.00	7.90
2.00	21.90	6.00	12.25	8.25	7.60
3.00	21.90	6.25	11.50	8.50	7.20
4.00	21.40	6.50	10.70	8.75	6.80
4.25	20.90	6.75	10.20	9.00	6.20
4.50	20.30	7.00	9.50	10.00	6.00
4.75	19.10	7.25	9.00	11.00	5.80
5.00	17.40	7.50	8.80	11.25	5.90
5.25	15.70				

****

Lake # 226 S 12 SEP 84 (Day 255) Time: 09 11 CDT
Air Temperature: 14 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.8 (C)
Epilimnion Temperature: 16 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.80	5.75	13.90	7.50	8.60
1.00	16.00	6.00	12.40	7.75	7.90
2.00	16.00	6.25	12.40	8.00	7.60
3.00	16.00	6.50	11.50	9.00	6.60
4.00	16.00	6.75	10.50	10.00	6.00
5.00	16.00	7.00	9.40	11.00	5.90
5.25	15.90	7.25	8.90	11.50	5.70
5.50	15.20				

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Lake # 226 S 31 OCT 84 (Day 304) Time: 11 17 CDT
Air Temperature: -2 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 5.1 (C)
Epilimnion Temperature: 5.1 (C) Epilimnion Depth (1 C/M): 11.5 (M)
Planar-Thermocline : 1.5 (M) Change at Planar-Thermo: -.300 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	5.10	5.00	5.50	9.00	5.60
1.00	5.10	6.00	5.60	10.00	5.50
2.00	5.40	7.00	5.60	11.00	5.50
3.00	5.40	8.00	5.60	11.50	5.60
4.00	5.50				

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Lake # 227 9 MAY 84 (Day 129) Time: 09 01 CDT
Air Temperature: 2 (C) Wind: NW 20 - 25 KMPH
Cloud Cover: 10 /10 Weather Description: SNOWING
Secchi Visibility: 1.4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 8.2 (C)
Epilimnion Temperature: 8.2 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 2.375 (M) Change at Planar-Thermo: 2.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	8.20	2.75	6.50	7.00	4.20
1.00	8.20	3.00	6.20	8.00	4.20
2.00	7.60	4.00	5.80	9.00	4.20
2.25	7.20	5.00	4.90	10.00	4.20
2.50	6.70	6.00	4.40		

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Lake # 227 23 MAY 84 (Day 143) Time: 08 50 CDT
Air Temperature: 17 (C) Wind: W 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 1.2 (M) Water Color: TURBID-YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.9 (C)
Epilimnion Temperature: 13.7 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 2.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.90	3.25	7.60	5.00	5.00
1.00	13.70	3.50	7.30	6.00	4.50
2.00	12.90	3.75	7.00	7.00	4.40
2.25	12.50	4.00	6.60	8.00	4.30
2.50	11.00	4.25	6.00	9.00	4.30
2.75	9.40	4.50	5.60	10.00	4.30
3.00	8.60	4.75	5.50		

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Lake # 227 6 JUN 84 (Day 157) Time: 09 31 CDT
Air Temperature: 13 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 1.8 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.4 (C)
Epilimnion Temperature: 17.4 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 2.375 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.40	3.25	9.80	5.00	5.50
1.00	17.40	3.50	9.10	6.00	4.70
2.00	17.30	3.75	8.00	7.00	4.50
2.25	16.10	4.00	7.30	8.00	4.40
2.50	14.30	4.25	6.60	9.00	4.30
2.75	13.00	4.50	6.20	10.00	4.30
3.00	11.40	4.75	5.80		

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Lake # 227 4 JUL 84 (Day 185) Time: 09 13 CDT
Air Temperature: 32 (C) Wind: NE 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 1.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.1 (C)
Epilimnion Temperature: 22.1 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 3.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.10	3.50	12.30	5.50	5.60
1.00	22.10	3.75	11.40	5.75	5.40
2.00	21.60	4.00	10.10	6.00	5.00
2.25	20.30	4.25	8.70	7.00	4.60
2.50	19.30	4.50	7.90	8.00	4.40
2.75	18.00	4.75	7.20	9.00	4.30
3.00	16.30	5.00	6.40	10.00	4.30
3.25	14.30	5.25	5.80		

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Lake # 227 18 JUL 84 (Day 199) Time: 09 26 CDT
Air Temperature: 18 (C) Wind: N 20 - 25 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 1 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.8 (C)
Epilimnion Temperature: 20.9 (C) Epilimnion Depth (1 C/M): 2.625 (M)
Planar-Thermocline : 3.875 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.80	3.50	14.10	5.50	5.90
1.00	20.90	3.75	12.80	5.75	5.60
2.00	20.80	4.00	11.00	6.00	5.20
2.25	20.80	4.25	9.70	7.00	4.70
2.50	20.80	4.50	8.60	8.00	4.50
2.75	19.10	4.75	7.70	9.00	4.40
3.00	17.40	5.00	6.90	10.00	4.40
3.25	15.70	5.25	6.40		

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Lake # 227 1 AUG 84 (Day 213) Time: 09 30 CDT
Air Temperature: 21.5 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description: OVERCAST
Secchi Visibility: 1.2 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.1 (C)
Epilimnion Temperature: 23.1 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 2.875 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.10	3.50	14.90	5.50	6.50
1.00	23.10	3.75	13.70	5.75	6.20
2.00	23.00	4.00	11.95	6.00	5.90
2.25	22.50	4.25	10.00	7.00	5.10
2.50	21.60	4.50	9.20	8.00	4.80
2.75	20.50	4.75	8.80	9.00	4.70
3.00	18.50	5.00	7.80	10.00	4.60
3.25	16.70	5.25	7.00		

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Lake # 227 15 AUG 84 (Day 227) Time: 09 30 CDT
Air Temperature: 27 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: .6 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24.3 (C)
Epilimnion Temperature: 24.2 (C) Epilimnion Depth (1 C/M): 1.625 (M)
Planar-Thermocline : 2.875 (M) Change at Planar-Thermo: 9.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.30	3.00	18.10	5.25	6.90
1.00	24.20	3.25	16.80	5.50	6.30
1.25	24.10	3.50	14.80	5.75	6.00
1.50	24.00	3.75	13.60	6.00	5.70
1.75	23.30	4.00	12.25	7.00	4.90
2.00	23.20	4.25	11.00	8.00	4.70
2.25	22.70	4.50	9.60	9.00	4.50
2.50	21.90	4.75	8.60	10.00	4.50
2.75	20.40	5.00	7.80		

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Lake # 227 29 AUG 84 (Day 241) Time: 08 50 CDT
Air Temperature: 27 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: .6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.1 (C)
Epilimnion Temperature: 23 (C) Epilimnion Depth (1 C/M): 1.375 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.10	3.00	18.10	5.25	7.80
1.00	23.00	3.25	17.10	5.50	7.20
1.25	22.90	3.50	15.60	5.75	6.70
1.50	22.10	3.75	14.30	6.00	6.30
1.75	21.40	4.00	13.10	7.00	5.60
2.00	20.80	4.25	11.40	8.00	5.00
2.25	20.40	4.50	10.50	9.00	4.70
2.50	19.90	4.75	9.50	10.00	4.50
2.75	19.50	5.00	8.60		

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Lake # 227 12 SEP 84 (Day 255) Time: 09 22 CDT
Air Temperature: 13 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: .6 (M) Water Color: TURBID-YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.8 (C)
Epilimnion Temperature: 14.8 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.80	4.25	11.40	6.25	6.10
1.00	14.80	4.50	10.20	6.50	5.70
2.00	14.80	4.75	9.30	6.75	5.40
3.00	14.70	5.00	8.70	7.00	5.20
3.25	14.60	5.25	7.80	8.00	4.80
3.50	14.40	5.50	7.20	9.00	4.60
3.75	14.10	5.75	6.70	10.00	4.60
4.00	13.40	6.00	6.40		

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Lake # 227 26 SEP 84 (Day 269) Time: 09 37 CDT
Air Temperature: 5 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: .6 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 9.8 (C)
Epilimnion Temperature: 10 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	9.80	5.25	8.90	6.75	5.80
1.00	10.00	5.50	7.80	7.00	5.60
2.00	10.10	5.75	7.00	8.00	5.00
3.00	10.20	6.00	6.70	9.00	4.70
4.00	10.20	6.25	6.30	10.00	4.70
5.00	9.40	6.50	6.10		

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Lake # 227 10 OCT 84 (Day 283) Time: 09 00 CDT
Air Temperature: 13 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: .6 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.8 (C)
Epilimnion Temperature: 10.7 (C) Epilimnion Depth (1 C/M): 1.5 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.80	5.25	8.10	6.75	6.10
1.00	10.70	5.50	8.00	7.00	5.80
2.00	9.40	5.75	7.70	8.00	5.00
3.00	8.90	6.00	7.30	9.00	4.80
4.00	8.70	6.25	6.70	10.00	4.70
5.00	8.50	6.50	6.40		

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Lake # 227 25 OCT 84 (Day 298) Time: 08 45 CDT
Air Temperature: Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 6.6 (C)
Epilimnion Temperature: 6.5 (C) Epilimnion Depth (1 C/M): 8.5 (M)
Planar-Thermocline : 8.5 (M) Change at Planar-Thermo: 1.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.60	4.00	6.50	8.00	6.30
1.00	6.50	5.00	6.50	9.00	5.10
2.00	6.50	6.00	6.50	10.00	4.80
3.00	6.50	7.00	6.50		

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Lake # 239 9 MAY 84 (Day 129) Time: 08 25 CDT
Air Temperature: 2.5 (C) Wind: NW 15 - 20 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 5.6 (C)
Epilimnion Temperature: 5.6 (C) Epilimnion Depth (1 C/M): 31 (M)
Planar-Thermocline : 14.5 (M) Change at Planar-Thermo: 0.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	5.60	12.00	5.60	22.00	4.60
1.00	5.60	13.00	5.60	23.00	4.60
2.00	5.60	14.00	5.60	24.00	4.60
3.00	5.60	14.00	4.90	25.00	4.60
4.00	5.60	15.00	4.70	26.00	4.60
5.00	5.60	15.00	4.60	27.00	4.60
6.00	5.60	17.00	4.60	28.00	4.50
7.00	5.60	18.00	4.60	29.00	4.50
8.00	5.60	19.00	4.60	30.00	4.50
9.00	5.60	20.00	4.60	31.00	4.50
11.00	5.60	21.00	4.60		

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Lake # 239 23 MAY 84 (Day 143) Time: 09 32 CDT
Air Temperature: 14 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.4 (C)
Epilimnion Temperature: 11.3 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 3.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.40	7.75	7.40	19.00	5.15
1.00	11.30	8.00	7.00	20.00	5.10
2.00	11.25	9.00	6.20	21.00	5.05
3.00	11.10	10.00	6.00	22.00	4.95
4.00	11.00	11.00	5.95	23.00	5.01
5.00	10.90	12.00	5.90	24.00	5.01
6.00	10.65	13.00	5.80	25.00	4.98
6.25	9.81	14.00	5.70	26.00	4.98
6.50	9.30	15.00	5.65	27.00	4.98
6.75	8.90	16.00	5.60	28.00	4.93
7.00	8.60	17.00	5.55	29.00	4.93
7.25	7.75	18.00	5.30	30.00	4.93
7.50	7.55				

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Lake # 239 6 JUN 84 (Day 157) Time: 08 27 CDT
Air Temperature:
Cloud Cover: 10 /10 Wind: SE 0 - 5 KMPH
Secchi Visibility: 3.4 (M) Weather Description: RAIN
Inflow Temperature: Water Color: YELLOW-BROWN
Surface Temperature: 16.1 (C) Outflow Temperature:
Epilimnion Temperature: 16.1 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)
0.00	16.10
1.00	16.10
2.00	16.10
3.00	16.10
4.00	16.00
4.25	15.50
4.50	14.70
4.75	14.20
5.00	13.50
5.25	13.00
5.50	12.40
5.75	11.95
6.00	11.70
6.25	11.30
6.50	11.10
6.75	10.70
7.00	10.40
7.25	9.40
7.50	8.90
7.75	8.50
8.00	7.80
9.00	6.90
10.00	6.30
11.00	6.20
12.00	6.10
13.00	6.00
14.00	5.90
15.00	5.80
16.00	5.70
17.00	5.60
18.00	5.50
19.00	5.40
20.00	5.10
21.00	5.10
22.00	5.00
23.00	4.90
24.00	4.90
25.00	4.90
26.00	4.80
27.00	4.80
28.00	4.90
29.00	4.80
30.00	4.80
31.00	4.80

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Lake # 239 20 JUN 84 (Day 171) Time: 11 24 CDT
Air Temperature: 21.5 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 4.9 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.5 (C)
Epilimnion Temperature: 19.1 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.50	7.50	9.20	18.00	5.40
1.00	19.10	7.75	8.90	19.00	5.40
2.00	18.70	8.00	8.50	20.00	5.10
3.00	18.60	8.25	7.90	21.00	5.00
4.00	18.40	8.50	7.70	22.00	4.90
4.25	17.30	8.75	7.50	23.00	4.90
4.50	16.80	9.00	7.20	24.00	4.80
4.75	16.50	10.00	6.70	25.00	4.80
5.00	16.10	11.00	6.40	26.00	4.80
5.25	15.90	12.00	6.20	27.00	4.80
5.50	15.40	13.00	6.00	28.00	4.70
5.75	14.50	14.00	5.90	29.00	4.70
6.00	13.50	15.00	5.70	30.00	4.70
7.00	10.70	16.00	5.60	31.00	4.70
7.25	10.10	17.00	5.50		

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Lake # 239 4 JUL 84 (Day 185) Time: 08 53 CDT
Air Temperature: 19 (C) Wind: W 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description: SUNNY
Secchi Visibility: 4.4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.2 (C)
Epilimnion Temperature: 21.3 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 6.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.20	7.00	10.70	17.00	5.50
1.00	21.30	7.25	9.90	18.00	5.50
2.00	21.30	7.50	9.30	19.00	5.10
3.00	21.20	7.75	9.10	20.00	5.00
4.00	20.40	8.00	8.50	21.00	5.00
4.25	19.90	8.25	7.90	22.00	4.90
4.50	19.40	8.50	7.60	23.00	4.90
4.75	19.20	8.75	7.40	24.00	4.80
5.00	18.70	9.00	7.20	25.00	4.80
5.25	17.70	10.00	6.80	26.00	4.80
5.50	17.00	11.00	6.40	27.00	4.70
5.75	15.90	12.00	6.30	28.00	4.70
6.00	15.00	13.00	6.10	29.00	4.70
6.25	14.30	14.00	5.90	30.00	4.70
6.50	13.60	15.00	5,80	30.50	4.70
6.75	12.35	16.00	5.60		

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Lake # 239 18 JUL 84 (Day 199) Time: 11 10 CDT
Air Temperature: 18 (C) Wind: NE 15 - 20 KMPH
Cloud Cover: 7 /10 Weather Description: SUNNY
Secchi Visibility: 5.4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.7 (C)
Epilimnion Temperature: 20.6 (C) Epilimnion Depth (1 C/M): 4.875 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.70	7.00	11.95	17.00	5.50
1.00	20.60	7.25	11.20	18.00	5.20
2.00	20.60	7.50	9.90	19.00	5.10
3.00	20.60	7.75	9.40	20.00	5.10
4.00	20.60	8.00	9.10	21.00	5.00
4.25	20.60	8.25	8.60	22.00	4.90
4.50	20.60	8.50	8.20	23.00	4.90
4.75	20.50	8.75	7.90	24.00	4.90
5.00	19.40	9.00	7.80	25.00	4.80
5.25	18.30	10.00	7.20	26.00	4.80
5.50	17.90	11.00	6.70	27.00	4.80
5.75	17.20	12.00	6.30	28.00	4.80
6.00	16.50	13.00	6.10	29.00	4.80
6.25	15.40	14.00	5.90	30.00	4.80
6.50	14.00	15.00	5.80	30.50	4.80
6.75	13.10	16.00	5.60		

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Lake # 239 1 AUG 84 (Day 213) Time: 08 19 CDT
Air Temperature: 20.5 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.6 (C)
Epilimnion Temperature: 22.7 (C) Epilimnion Depth (1 C/M): 4.375 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.60	7.00	12.60	17.00	5.50
1.00	22.70	7.25	11.50	18.00	5.50
2.00	22.70	7.50	10.80	19.00	5.40
3.00	22.70	7.75	10.00	20.00	5.10
4.00	22.70	8.00	9.50	21.00	5.00
4.25	22.60	8.25	9.00	22.00	5.00
4.50	22.30	8.50	8.60	23.00	4.90
4.75	22.00	8.75	8.10	24.00	4.90
5.00	21.60	9.00	7.90	25.00	4.80
5.25	21.00	10.00	7.20	26.00	4.80
5.50	20.20	11.00	6.60	27.00	4.80
5.75	19.10	12.00	6.40	28.00	4.80
6.00	17.30	13.00	6.20	29.00	4.80
6.25	16.00	14.00	6.00	30.00	4.70
6.50	14.60	15.00	5.80	30.75	4.70
6.75	13.60	16.00	5.70		

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Lake # 239 15 AUG 84 (Day 227) Time:
Air Temperature: 26 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 6.5 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24 (C)
Epilimnion Temperature: 24 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.00	7.50	10.60	18.00	5.50
1.00	24.00	7.75	9.90	19.00	5.40
2.00	23.90	8.00	9.20	20.00	5.10
3.00	23.90	8.25	9.00	21.00	5.10
4.00	23.90	8.50	8.70	22.00	5.00
5.00	23.90	8.75	8.50	23.00	4.90
5.25	23.70	9.00	8.30	24.00	4.90
5.50	20.20	10.00	7.60	25.00	4.90
5.75	18.60	11.00	7.00	26.00	4.90
6.00	17.50	12.00	6.50	27.00	4.80
6.25	16.50	13.00	6.30	28.00	4.80
6.50	15.70	14.00	6.10	29.00	4.80
6.75	14.30	15.00	5.90	30.00	4.80
7.00	12.40	16.00	5.70	30.25	4.80
7.25	11.50	17.00	5.60		

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Lake # 239 29 AUG 84 (Day 241) Time: 08 18 CDT
Air Temperature: 24 (C) Wind: 00 -
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: 6 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22 (C)
Epilimnion Temperature: 22 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 7.625 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.00	8.25	10.00	18.00	5.50
1.00	22.00	8.50	9.60	19.00	5.10
2.00	22.10	8.75	9.20	20.00	5.10
3.00	22.10	9.00	8.70	21.00	5.00
4.00	21.90	9.25	8.20	22.00	4.90
5.00	21.50	9.50	7.90	23.00	4.90
6.00	20.70	9.75	7.70	24.00	4.80
6.25	20.10	10.00	7.50	25.00	4.80
6.50	19.00	11.00	7.00	26.00	4.80
6.75	17.30	12.00	6.60	27.00	4.80
7.00	15.60	13.00	6.40	28.00	4.80
7.25	14.40	14.00	6.20	29.00	4.80
7.50	12.50	15.00	6.00	30.00	4.80
7.75	11.00	16.00	5.80	30.25	4.80
8.00	10.50	17.00	5.60		

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Lake # 239 12 SEP 84 (Day 255) Time: 13 26 CDT
Air Temperature: Wind: SE 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.6 (C)
Epilimnion Temperature: 16.5 (C) Epilimnion Depth (1 C/M): 7.625 (M)
Planar-Thermocline : 7.875 (M) Change at Planar-Thermo: 9.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.60	8.75	9.60	19.00	5.30
1.00	16.50	9.00	9.10	20.00	5.30
2.00	16.40	9.25	8.60	21.00	5.00
3.00	16.40	9.50	8.30	22.00	5.00
4.00	16.30	9.75	8.00	23.00	4.90
5.00	16.30	10.00	7.70	24.00	4.90
6.00	16.30	11.00	6.90	25.00	4.90
7.00	16.30	12.00	6.60	26.00	4.80
7.25	16.10	13.00	6.30	27.00	4.80
7.50	16.00	14.00	6.10	28.00	4.80
7.75	15.40	15.00	5.90	29.00	4.80
8.00	13.00	16.00	5.70	30.00	4.80
8.25	11.60	17.00	5.60	30.25	4.80
8.50	10.40	18.00	5.40		

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Lake # 239 26 SEP 84 (Day 269) Time: 08 41 CDT
Air Temperature: 3 (C) Wind: NE 20 - 25 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.15 (C)
Epilimnion Temperature: 12.15 (C) Epilimnion Depth (1 C/M): 9.125 (M)
Planar-Thermocline : 9.625 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.15	10.00	9.50	19.00	5.40
1.00	12.15	10.25	8.60	20.00	5.10
2.00	12.15	10.50	8.00	21.00	5.00
3.00	12.15	10.75	7.40	22.00	5.00
4.00	12.15	11.00	7.10	23.00	4.90
5.00	12.15	12.00	6.70	24.00	4.90
6.00	12.15	13.00	6.30	25.00	4.80
7.00	12.15	14.00	6.20	26.00	4.80
8.00	12.15	15.00	5.90	27.00	4.80
9.00	12.15	16.00	5.70	28.00	4.80
9.25	11.85	17.00	5.60	29.00	4.80
9.50	11.40	18.00	5.50	30.00	4.70
9.75	10.10				

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Lake # 239 30 OCT 84 (Day 303) Time: 08 19 CDT
Air Temperature: 2 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 6.6 (C)
Epilimnion Temperature: 6.7 (C) Epilimnion Depth (1 C/M): 31 (M)
Planar-Thermocline : 22.5 (M) Change at Planar-Thermo: 0.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.60	11.00	6.80	22.00	5.70
1.00	6.70	12.00	6.80	23.00	4.90
2.00	6.70	13.00	6.70	24.00	4.90
3.00	6.70	14.00	6.70	25.00	4.90
4.00	6.70	15.00	6.70	26.00	4.90
5.00	6.70	16.00	6.70	27.00	4.80
6.00	6.70	17.00	6.70	28.00	4.80
7.00	6.70	18.00	6.50	29.00	4.80
8.00	6.70	19.00	6.40	30.00	4.80
9.00	6.80	20.00	6.30	31.00	4.80
10.00	6.80	21.00	5.60		

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Lake # 240 10 MAY 84 (Day 130) Time: 08 10 CDT
Air Temperature: 4 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 7 (C)
Epilimnion Temperature: 6.9 (C) Epilimnion Depth (1 C/M): 13 (M)
Planar-Thermocline : 10.5 (M) Change at Planar-Thermo: 0.300 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	7.00	5.00	6.80	10.00	6.70
1.00	6.90	6.00	6.80	11.00	6.40
2.00	6.80	7.00	6.80	12.00	6.10
3.00	6.80	8.00	6.80	13.00	5.90
4.00	6.80	9.00	6.70		

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Lake # 240 25 MAY 84 (Day 145) Time: 10 00 CDT
Air Temperature: 13 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.9 (C)
Epilimnion Temperature: 12.8 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 3.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.90	6.25	11.20	8.00	7.80
1.00	12.80	6.50	10.90	9.00	7.30
2.00	12.50	6.75	10.50	10.00	6.90
3.00	12.50	7.00	9.60	11.00	6.90
4.00	12.30	7.25	8.80	12.00	6.80
5.00	12.20	7.50	8.20	13.00	6.70
6.00	11.70	7.75	7.80		

****

Lake # 240 7 JUN 84 (Day 158) Time: 08 17 CDT
Air Temperature: 15 (C) Wind: E 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description: LIGHT RAIN
Secchi Visibility: 5.2 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.4 (C)
Epilimnion Temperature: 16.4 (C) Epilimnion Depth (1 C/M): 4.375 (M)
Planar-Thermocline : 4.625 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.40	5.50	13.10	8.00	8.80
1.00	16.40	5.75	12.50	8.25	8.50
2.00	16.40	6.00	12.15	8.50	8.10
3.00	16.40	6.25	11.70	8.75	7.80
4.00	16.40	6.50	11.40	9.00	7.80
4.25	16.30	6.75	11.00	10.00	7.40
4.50	15.90	7.00	10.60	11.00	7.00
4.75	15.10	7.25	10.10	12.00	6.90
5.00	14.50	7.50	9.60	13.00	6.80
5.25	13.90	7.75	9.20		

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Lake # 240 22 JUN 84 (Day 173) Time: 08 22 CDT
Air Temperature: 20 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description: OVERCAST
Secchi Visibility: 5 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.8 (C)
Epilimnion Temperature: 20.2 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.80	5.00	16.90	7.75	9.80
1.00	20.20	5.25	16.60	8.00	9.30
2.00	20.10	5.50	16.20	8.25	9.10
3.00	19.90	5.75	15.60	8.50	8.70
3.25	19.60	6.00	14.40	8.75	8.60
3.50	19.50	6.25	13.30	9.00	8.50
3.75	19.30	6.50	13.00	10.00	8.00
4.00	18.40	6.75	12.25	11.00	7.70
4.25	17.90	7.00	11.60	12.00	7.30
4.50	17.50	7.25	10.80	13.00	7.10
4.75	17.30	7.50	10.10		

****

Lake # 240 5 JUL 84 (Day 186) Time: 08 10 CDT
Air Temperature: 18 (C) Wind: NW 20 - 25 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.1 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.2 (C)
Epilimnion Temperature: 21.2 (C) Epilimnion Depth (1 C/M): 4.625 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.20	5.50	18.30	8.00	9.60
1.00	21.20	5.75	17.30	8.25	9.30
2.00	21.20	6.00	16.70	8.50	9.10
3.00	21.20	6.25	15.80	8.75	8.90
4.00	21.20	6.50	14.60	9.00	8.70
4.25	21.00	6.75	13.00	10.00	8.00
4.50	21.10	7.00	11.95	11.00	7.60
4.75	20.30	7.25	10.60	12.00	7.40
5.00	19.60	7.50	10.40	13.00	7.30
5.25	18.70	7.75	10.00		

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Lake # 240 20 JUL 84 (Day 201) Time: 08 55 CDT
Air Temperature: 22 (C) Wind: NE 5 - 10 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 6.1 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.7 (C)
Epilimnion Temperature: 20.7 (C) Epilimnion Depth (1 C/M): 5.875 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.70	6.25	17.00	8.75	9.50
1.00	20.70	6.50	15.70	9.00	9.30
2.00	20.70	6.75	14.50	9.25	9.20
3.00	20.70	7.00	13.40	9.50	8.90
4.00	20.70	7.25	12.60	9.75	8.70
5.00	20.50	7.50	12.05	10.00	8.50
5.25	20.40	7.75	11.10	11.00	7.90
5.50	20.40	8.00	10.50	12.00	7.80
5.75	20.20	8.25	10.20	13.00	7.70
6.00	18.30	8.50	9.90		

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Lake # 240 2 AUG 84 (Day 214) Time: 08 25 CDT
Air Temperature: 19 (C) Wind: NE 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.7 (C)
Epilimnion Temperature: 22.9 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.70	6.25	17.70	8.75	9.80
1.00	22.90	6.50	16.60	9.00	9.40
2.00	22.90	6.75	15.60	9.25	8.90
3.00	22.80	7.00	14.30	9.50	8.80
4.00	22.60	7.25	12.70	9.75	8.60
5.00	22.30	7.50	12.40	10.00	8.40
5.25	21.30	7.75	11.60	11.00	7.90
5.50	20.70	8.00	11.00	12.00	7.70
5.75	19.90	8.25	10.50	13.00	7.70
6.00	19.00	8.50	10.20		

****

Lake # 240 17 AUG 84 (Day 229) Time: 08 17 CDT
Air Temperature: 16 (C) Wind: S 5 - 10 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 5.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.5 (C)
Epilimnion Temperature: 22.7 (C) Epilimnion Depth (1 C/M): 5.625 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.50	6.25	20.00	8.75	10.20
1.00	22.70	6.50	17.30	9.00	9.90
2.00	22.70	6.75	16.60	9.25	9.60
3.00	22.80	7.00	14.90	9.50	9.30
4.00	22.90	7.25	14.00	9.75	9.20
5.00	22.80	7.50	13.30	10.00	8.90
5.25	22.80	7.75	12.25	11.00	8.20
5.50	22.70	8.00	11.60	12.00	7.90
5.75	21.80	8.25	11.10	12.50	7.80
6.00	20.80	8.50	10.60		

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Lake # 240 30 AUG 84 (Day 242) Time: 08 20 CDT
Air Temperature: 21 (C) Wind: W 5 - 10 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22 (C)
Epilimnion Temperature: 22.1 (C) Epilimnion Depth (1 C/M): 6.625 (M)
Planar-Thermocline : 7.375 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.00	7.00	17.60	9.50	9.77
1.00	22.10	7.25	16.40	9.75	9.50
2.00	22.00	7.50	14.40	10.00	9.30
3.00	22.00	7.75	13.30	10.25	9.00
4.00	22.00	8.00	12.50	10.50	8.70
5.00	21.70	8.25	12.00	10.75	8.40
6.00	20.90	8.50	11.45	11.00	8.30
6.25	20.70	8.75	11.05	12.00	8.10
6.50	20.50	9.00	10.80	12.25	8.10
6.75	19.00	9.25	10.20		

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Lake # 240 13 SEP 84 (Day 256) Time: 08 36 CDT
Air Temperature: 12.5 (C) Wind: E 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.6 (C)
Epilimnion Temperature: 15.8 (C) Epilimnion Depth (1 C/M): 8.125 (M)
Planar-Thermocline : 8.625 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.60	7.00	15.90	9.50	10.00
1.00	15.80	8.00	15.40	9.75	9.50
2.00	15.80	8.25	14.90	10.00	9.10
3.00	15.80	8.50	14.30	11.00	8.40
4.00	15.80	8.75	12.50	12.00	8.10
5.00	15.90	9.00	11.60	12.75	7.80
6.00	15.90	9.25	10.40		

****

Lake # 240 27 SEP 84 (Day 270) Time: 08 30 CDT
Air Temperature: 5 (C) Wind: S 5 - 10 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.2 (C)
Epilimnion Temperature: 11.2 (C) Epilimnion Depth (1 C/M): 12 (M)
Planar-Thermocline : 11.5 (M) Change at Planar-Thermo: 0.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.20	5.00	11.20	9.00	11.20
1.00	11.20	6.00	11.20	10.00	11.20
2.00	11.20	7.00	11.20	11.00	11.20
3.00	11.20	8.00	11.20	12.00	10.60
4.00	11.20				

****

Lake # 302 N 2 MAY 84 (Day 122) Time: 08 52 CDT
Air Temperature: 4.5 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 6.2 (C)
Epilimnion Temperature: 6.2 (C) Epilimnion Depth (1 C/M): 13 (M)
Planar-Thermocline : 9.5 (M) Change at Planar-Thermo: 0.900 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.20	5.00	6.10	10.00	4.70
1.00	6.20	6.00	6.10	11.00	4.50
2.00	6.20	7.00	6.10	12.00	4.50
3.00	6.20	8.00	5.80	13.00	4.50
4.00	6.20	9.00	5.60		

****

Lake # 302 N 16 MAY 84 (Day 136) Time: 13 45 CDT
Air Temperature: 22.3 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.8 (C)
Epilimnion Temperature: 11.8 (C) Epilimnion Depth (1 C/M): .375 (M)
Planar-Thermocline : 2.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.80	2.75	10.60	7.00	6.80
0.25	12.70	3.00	9.60	8.00	6.60
0.50	12.35	3.25	9.20	9.00	6.10
0.75	12.15	3.50	9.10	10.00	6.00
1.00	11.80	3.75	8.70	11.00	5.90
2.00	11.20	4.00	8.50	12.00	5.90
2.25	11.10	5.00	7.80	13.00	5.80
2.50	10.90	6.00	7.50		

****

Lake # 302 N 30 MAY 84 (Day 150) Time: 08 46 CDT
Air Temperature: 16.5 (C) Wind: 0 -
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4.3 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.1 (C)
Epilimnion Temperature: 13.5 (C) Epilimnion Depth (1 C/M): 2.5 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.10	5.00	10.10	7.00	7.10
1.00	13.50	5.25	9.40	8.00	6.70
2.00	13.50	5.50	9.00	9.00	6.40
3.00	12.20	5.75	8.70	10.00	5.90
4.00	12.70	6.00	7.80	11.00	5.80
4.25	12.20	6.25	7.70	12.00	5.70
4.50	12.05	6.50	7.50	13.00	5.70
4.75	11.10	6.75	7.30		

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Lake # 302 N 13 JUN 84 (Day 164) Time: 15 36 CDT
Air Temperature: 15.1 (C) Wind: SE 5 - 10 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.3 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17 (C)
Epilimnion Temperature: 17 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 5.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.00	4.50	15.10	6.75	8.30
1.00	17.00	4.75	14.40	7.00	7.80
2.00	17.00	5.00	13.30	8.00	6.90
3.00	17.00	5.25	12.25	9.00	6.50
3.25	16.70	5.50	11.00	10.00	6.40
3.50	16.50	5.75	10.50	11.00	6.20
3.75	16.40	6.00	9.50	12.00	6.20
4.00	16.10	6.25	9.10	13.00	6.10
4.25	15.70	6.50	8.70		

****

Lake # 302 N 27 JUN 84 (Day 178) Time: 08 28 CDT
Air Temperature: 23 (C) Wind: 0 -
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 2.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.6 (C)
Epilimnion Temperature: 19.6 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.125 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.60	4.50	14.70	6.75	8.40
1.00	19.60	4.75	13.80	7.00	7.90
2.00	19.60	5.00	12.90	8.00	7.00
3.00	19.50	5.25	11.80	9.00	6.30
3.25	19.10	5.50	11.30	10.00	6.10
3.50	18.90	5.75	10.60	11.00	6.00
3.75	17.90	6.00	9.80	12.00	5.90
4.00	17.10	6.25	9.00	13.00	5.90
4.25	15.70	6.50	8.70		

****

Lake # 302 N 11 JUL 84 (Day 192) Time: 08 46 CDT
Air Temperature: 20 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.1 (M) Water Color: TURBID-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.3 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	4.50	17.40	6.75	9.00
1.00	21.30	4.75	17.20	7.00	8.40
2.00	21.40	5.00	14.30	8.00	7.50
3.00	20.90	5.25	13.00	9.00	6.90
3.25	20.50	5.50	12.30	10.00	6.70
3.50	20.30	5.75	12.10	11.00	6.60
3.75	20.00	6.00	10.40	12.00	6.45
4.00	19.20	6.25	9.57	13.00	6.45
4.25	18.50	6.50	9.30		

****

Lake # 302 N 25 JUL 84 (Day 206) Time: 08 56 CDT
Air Temperature: 25 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.2 (C)
Epilimnion Temperature: 22.3 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.20	5.00	17.00	7.75	8.50
1.00	22.30	5.25	15.00	8.00	8.00
2.00	22.40	5.50	13.90	8.25	7.80
3.00	22.30	5.75	12.90	8.50	7.60
3.25	22.20	6.00	12.15	8.75	7.40
3.50	22.10	6.25	11.10	9.00	7.10
3.75	21.80	6.50	10.20	10.00	6.80
4.00	21.50	6.75	9.50	11.00	6.70
4.25	20.70	7.00	9.20	12.00	6.50
4.50	19.10	7.25	8.90	13.00	6.50
4.75	18.00	7.50	8.70		

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Lake # 302 N 8 AUG 84 (Day 220) Time: 08 41 CDT
Air Temperature: 27 (C) Wind: 0 -
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.8 (C)
Epilimnion Temperature: 25.8 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.80	4.75	19.90	7.25	9.40
1.00	25.80	5.00	17.90	7.50	9.10
2.00	25.70	5.25	16.40	7.75	8.80
3.00	24.90	5.50	15.20	8.00	8.40
3.25	24.40	5.75	14.30	9.00	7.50
3.50	24.10	6.00	13.20	10.00	7.00
3.75	23.70	6.25	12.25	11.00	6.70
4.00	23.10	6.50	11.20	12.00	6.60
4.25	22.10	6.75	10.60	13.00	6.50
4.50	21.00	7.00	10.00	13.25	6.40

****

Lake # 302 N 10 AUG 84 (Day 222) Time: 15 05 CDT
Air Temperature: 22 (C) Wind: W 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.2 (C)
Epilimnion Temperature: 25.2 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 4.875 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.20	5.00	18.30	7.75	8.80
1.00	25.20	5.25	17.20	8.00	8.50
2.00	25.20	5.50	15.80	8.25	7.90
3.00	25.10	5.75	14.60	8.50	7.70
3.25	24.70	6.00	13.30	8.75	7.40
3.50	24.20	6.25	12.40	9.00	7.10
3.75	23.80	6.50	11.60	10.00	6.80
4.00	23.30	6.75	10.70	11.00	6.60
4.25	22.60	7.00	10.20	12.00	6.50
4.50	21.30	7.25	9.50	13.00	6.40
4.75	19.90	7.50	9.20	13.25	6.30

****

Lake # 302 N 22 AUG 84 (Day 234) Time: 08 50 CDT
Air Temperature: 20 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 4.2 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22 (C)
Epilimnion Temperature: 22.1 (C) Epilimnion Depth (1 C/M): 4.625 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.00	5.50	17.20	8.00	8.60
1.00	22.10	5.75	15.70	8.25	8.10
2.00	22.10	6.00	14.30	8.50	7.90
3.00	22.10	6.25	13.20	8.75	7.60
4.00	22.10	6.50	12.30	9.00	7.50
4.25	22.00	6.75	11.50	10.00	6.90
4.50	21.90	7.00	10.80	11.00	6.70
4.75	21.40	7.25	10.00	12.00	6.60
5.00	20.40	7.50	9.60	13.00	6.50
5.25	18.70	7.75	9.20	13.25	6.40

****

Lake # 302 N 19 SEP 84 (Day 262) Time: 08 27 CDT
Air Temperature: 16 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: PALE -BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.8 (C)
Epilimnion Temperature: 14.6 (C) Epilimnion Depth (1 C/M): 7.125 (M)
Planar-Thermocline : 7.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.80	7.00	13.60	8.75	8.50
1.00	14.60	7.25	13.30	9.00	8.00
2.00	14.50	7.50	12.40	10.00	7.30
3.00	14.50	7.75	10.80	11.00	7.00
4.00	14.50	8.00	9.90	12.00	7.00
5.00	14.40	8.25	9.10	13.00	6.80
6.00	14.30	8.50	8.90		

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Lake # 302 N 3 OCT 84 (Day 276) Time: 10 47 CDT
Air Temperature: 11 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.3 (C)
Epilimnion Temperature: 10.2 (C) Epilimnion Depth (1 C/M): 10.125 (M)
Planar-Thermocline : 10.125 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.30	6.00	10.00	10.50	7.50
1.00	10.20	7.00	10.00	10.75	7.20
2.00	10.10	8.00	9.90	11.00	7.10
3.00	10.10	9.00	9.80	12.00	6.80
4.00	10.10	10.00	8.90	12.75	6.70
5.00	10.00	10.25	7.70		

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Lake # 302 N 17 OCT 84 (Day 290) Time:
Air Temperature: 8 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 1.5 (M) Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.05 (C)
Epilimnion Temperature: 12.05 (C) Epilimnion Depth (1 C/M): 5.5 (M)
Planar-Thermocline : 5.5 (M) Change at Planar-Thermo: 1.350 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.05	4.00	12.05	8.00	10.60
1.00	12.05	5.00	12.05	9.00	10.60
2.00	12.15	6.00	10.70	10.00	10.60
3.00	12.05	7.00	10.70		

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Lake # 302 N 31 OCT 84 (Day 304) Time: 08 48 CDT
Air Temperature: -5 (C) Wind: S 15 - 20 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 2.8 (M) Water Color: BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 5.6 (C)
Epilimnion Temperature: 5.6 (C) Epilimnion Depth (1 C/M): 13 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: 0.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	5.60	5.00	5.60	10.00	5.60
1.00	5.60	6.00	5.60	11.00	5.60
2.00	5.60	7.00	5.60	12.00	5.60
3.00	5.60	8.00	5.60	13.00	5.60
4.00	5.60	9.00	5.60		

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Lake # 302 S 2 MAY 84 (Day 122) Time: 08 35 CDT
Air Temperature: 4.5 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.6 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 6.7 (C)
Epilimnion Temperature: 6.7 (C) Epilimnion Depth (1 C/M): 10 (M)
Planar-Thermocline : 6.5 (M) Change at Planar-Thermo: 0.250 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	6.70	4.00	6.70	8.00	6.40
1.00	6.70	5.00	6.70	9.00	6.40
2.00	6.70	6.00	6.70	10.00	6.40
3.00	6.70	7.00	6.45		

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Lake # 302 S 16 MAY 84 (Day 136) Time: 14 30 CDT
Air Temperature: 22.3 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 5.4 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 12.4 (C)
Epilimnion Temperature: 12.15 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 3.375 (M) Change at Planar-Thermo: 2.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	12.40	3.50	10.00	7.00	8.60
1.00	12.15	3.75	9.60	8.00	8.20
2.00	11.60	4.00	9.50	9.00	8.00
3.00	10.90	5.00	9.10	10.00	7.90
3.25	10.50	6.00	9.00		

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Lake # 302 S 30 MAY 84 (Day 150) Time: 08 43 CDT
Air Temperature: 19 (C) Wind: 0 -
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4.9 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.9 (C)
Epilimnion Temperature: 13.9 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 3.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.90	5.00	12.90	7.00	10.40
1.00	13.90	6.00	12.05	8.00	9.30
2.00	13.50	6.25	11.10	9.00	9.10
3.00	13.30	6.50	10.80	10.00	8.70
4.00	13.20	6.75	10.60		

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Lake # 302 S 13 JUN 84 (Day 164) Time: 16 04 CDT
Air Temperature: 15.1 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.3 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.9 (C)
Epilimnion Temperature: 16.9 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.90	5.50	15.00	7.25	11.70
1.00	16.90	5.75	14.40	7.50	11.40
2.00	16.90	6.00	14.10	7.75	11.10
3.00	16.80	6.25	13.70	8.00	10.80
4.00	16.40	6.50	13.40	9.00	9.80
5.00	15.90	6.75	13.00	10.00	9.30
5.25	15.50	7.00	12.50		

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Lake # 302 S 27 JUN 84 (Day 178) Time: 08 28 CDT
Air Temperature: 18 (C) Wind: 0 -
Cloud Cover: 9 /10 Weather Description: OVERCAST
Secchi Visibility: 3.8 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.9 (C)
Epilimnion Temperature: 20 (C) Epilimnion Depth (1 C/M): 4.375 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.90	4.75	18.50	7.25	13.40
1.00	20.00	5.00	17.80	7.50	12.80
2.00	19.90	5.25	17.50	7.75	12.30
3.00	19.90	5.50	17.10	8.00	11.90
3.25	19.90	5.75	17.10	8.25	11.25
3.50	19.80	6.00	16.10	8.50	10.90
3.75	19.80	6.25	15.60	8.75	10.70
4.00	19.60	6.50	15.00	9.00	10.30
4.25	19.40	6.75	14.30	10.00	9.87
4.50	19.10	7.00	13.80	11.00	9.30

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Lake # 302 S 11 JUL 84 (Day 192) Time: 09 27 CDT
Air Temperature: 23 (C) Wind: 0 -
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.6 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	5.75	19.40	7.75	13.30
1.00	21.60	6.00	18.90	8.00	12.60
2.00	21.60	6.25	17.80	8.25	12.00
3.00	21.40	6.50	17.00	8.50	11.60
4.00	20.90	6.75	15.90	8.75	11.15
5.00	20.40	7.00	15.00	9.00	10.70
5.25	20.10	7.25	14.50	10.00	10.20
5.50	19.90	7.50	13.70		

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Lake # 302 S 25 JUL 84 (Day 206) Time: 08 35 CDT
Air Temperature: 20 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.8 (C)
Epilimnion Temperature: 22.8 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.80	5.75	21.20	7.75	14.30
1.00	22.80	6.00	20.70	8.00	13.50
2.00	22.80	6.25	20.10	8.25	13.00
3.00	22.80	6.50	19.40	8.50	12.35
4.00	22.50	6.75	18.50	8.75	11.80
5.00	22.00	7.00	17.10	9.00	11.00
5.25	21.60	7.25	16.10	10.00	10.60
5.50	21.40	7.50	15.10	10.25	10.60

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Lake # 302 S 8 AUG 84 (Day 220) Time: 09 02 CDT
Air Temperature: 27.5 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.6 (C)
Epilimnion Temperature: 25.7 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.60	6.00	22.40	8.25	13.00
1.00	25.70	6.25	21.30	8.50	12.50
2.00	25.60	6.50	20.50	8.75	11.95
3.00	25.30	6.75	19.40	9.00	11.60
4.00	24.70	7.00	17.50	9.25	11.10
5.00	24.00	7.25	16.40	9.50	10.90
5.25	23.60	7.50	15.40	9.75	10.80
5.50	23.30	7.75	14.70	10.00	10.70
5.75	22.90	8.00	13.70		

****

Lake # 302 S 11 AUG 84 (Day 223) Time: 14 12 CDT
Air Temperature: 20 (C) Wind: NW 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24.4 (C)
Epilimnion Temperature: 24.4 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.40	6.00	22.60	8.00	13.90
1.00	24.40	6.25	21.80	8.25	13.00
2.00	24.40	6.50	21.10	8.50	12.60
3.00	24.30	6.75	19.40	8.75	12.15
4.00	24.30	7.00	18.00	9.00	11.70
5.00	24.20	7.25	16.70	9.25	11.50
5.25	23.90	7.50	15.70	9.50	11.20
5.50	23.50	7.75	14.70	9.75	10.90
5.75	23.30				

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Lake # 302 S 22 AUG 84 (Day 234) Time: 08 52 CDT
Air Temperature: 19 (C) Wind: SE 5 - 10 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 3 (M) Water Color: TURBID-GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.9 (C)
Epilimnion Temperature: 22.9 (C) Epilimnion Depth (1 C/M): 6.375 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.90	6.25	22.90	8.00	13.50
1.00	22.90	6.50	22.50	8.25	13.00
2.00	22.90	6.75	19.80	8.50	12.30
3.00	22.90	7.00	18.40	8.75	11.90
4.00	22.90	7.25	17.10	9.00	11.60
5.00	22.90	7.50	15.60	10.00	11.00
6.00	22.90	7.75	14.50		

****

Lake # 302 S 19 SEP 84 (Day 262) Time: 08 31 CDT
Air Temperature: 16 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 2.4 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.5 (C)
Epilimnion Temperature: 15.5 (C) Epilimnion Depth (1 C/M): 9.375 (M)
Planar-Thermocline : 9.375 (M) Change at Planar-Thermo: 4.267 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.50	4.00	15.40	8.00	15.10
1.00	15.50	5.00	15.20	9.00	14.70
2.00	15.40	6.00	15.10	9.75	11.50
3.00	15.40	7.00	15.10		

****

Lake # 302 S 3 OCT 84 (Day 276) Time: 11 11 CDT
Air Temperature: 11 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.9 (C)
Epilimnion Temperature: 10.8 (C) Epilimnion Depth (1 C/M): 10 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: 0.100 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.90	4.00	10.70	8.00	10.50
1.00	10.80	5.00	10.60	9.00	10.50
2.00	10.70	6.00	10.60	10.00	10.50
3.00	10.70	7.00	10.60		

****

Lake # 302 S 17 OCT 84 (Day 290) Time:
Air Temperature: 7 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 9 /10 Weather Description: OVERCAST
Secchi Visibility: 1 (M) Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.5 (C)
Epilimnion Temperature: 11.5 (C) Epilimnion Depth (1 C/M): 13.5 (M)
Planar-Thermocline : 3.5 (M) Change at Planar-Thermo: 0.900 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.50	5.00	10.50	10.00	8.90
1.00	11.50	6.00	9.80	11.00	8.20
2.00	11.70	7.00	9.60	12.00	7.70
3.00	11.70	8.00	9.40	13.00	7.20
4.00	10.80	9.00	9.30	13.50	7.10

****

Lake # 302 S 31 OCT 84 (Day 304) Time: 08 43 CDT
Air Temperature: -2 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 5.1 (C)
Epilimnion Temperature: 5.5 (C) Epilimnion Depth (1 C/M): 10 (M)
Planar-Thermocline : .5 (M) Change at Planar-Thermo: -.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	5.10	4.00	5.70	8.00	5.70
1.00	5.50	5.00	5.70	9.00	5.70
2.00	5.60	6.00	5.70	10.00	5.70
3.00	5.60	7.00	5.70		

****

Lake # 373 16 MAY 84 (Day 136) Time: 10 01 CDT
Air Temperature: 14 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 5.4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.5 (C)
Epilimnion Temperature: 10.5 (C) Epilimnion Depth (1 C/M): 20 (M)
Planar-Thermocline : 2.5 (M) Change at Planar-Thermo: 0.700 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.50	7.00	6.80	14.00	4.90
1.00	10.50	8.00	6.20	15.00	4.90
2.00	10.10	9.00	5.70	16.00	4.80
3.00	9.40	10.00	5.50	17.00	4.80
4.00	8.70	11.00	5.40	18.00	4.80
5.00	8.10	12.00	5.10	19.00	4.80
6.00	7.50	13.00	5.00	20.00	4.70

****

Lake # 373 1 JUN 84 (Day 152) Time: 10 30 CDT
Air Temperature: 15.8 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 7.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 13.4 (C)
Epilimnion Temperature: 13.5 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	13.40	6.50	10.50	10.00	6.20
1.00	13.50	6.75	9.80	11.00	5.90
2.00	13.00	7.00	9.30	12.00	5.60
3.00	13.00	7.25	8.70	13.00	5.50
4.00	12.90	7.50	8.50	14.00	5.40
5.00	12.00	7.75	8.20	15.00	5.10
5.25	12.00	8.00	7.90	16.00	5.00
5.50	11.00	8.25	7.30	17.00	4.90
5.75	11.70	8.50	7.00	18.00	4.90
6.00	11.20	8.75	6.90	19.00	4.80
6.25	10.80	9.00	6.70	20.00	4.80

****

Lake # 373 13 JUN 84 (Day 164) Time: 09 00 CDT
Air Temperature: 11 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description: RAIN
Secchi Visibility: 6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16 (C)
Epilimnion Temperature: 16 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.00	6.25	12.50	11.00	6.40
1.00	16.00	6.50	11.60	12.00	6.00
2.00	16.00	6.75	10.80	13.00	5.80
3.00	15.80	7.00	9.80	14.00	5.60
4.00	15.70	7.25	9.10	15.00	5.40
5.00	15.00	7.50	8.80	16.00	5.40
5.25	14.90	7.75	8.50	17.00	5.20
5.50	14.40	8.00	8.10	18.00	5.10
5.75	13.90	9.00	7.30	19.00	5.10
6.00	13.30	10.00	6.90	20.00	5.00

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Lake # 373 28 JUN 84 (Day 179) Time: 10 31 CDT
Air Temperature: 17 (C) Wind: NW 20 - 25 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 8.1 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.7 (C)
Epilimnion Temperature: 18.8 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 5.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.70	6.50	13.50	10.00	7.30
1.00	18.80	6.75	13.20	11.00	6.50
2.00	18.80	7.00	12.25	12.00	6.20
3.00	18.70	7.25	10.90	13.00	5.90
4.00	18.70	7.50	10.40	14.00	5.70
5.00	17.90	7.75	9.80	15.00	5.50
5.25	16.90	8.00	9.40	16.00	5.40
5.50	16.50	8.25	8.80	17.00	5.30
5.75	15.80	8.50	8.50	18.00	5.30
6.00	15.00	8.75	8.20	19.00	5.00
6.25	14.30	9.00	8.00	20.00	5.00

****

Lake # 373 11 JUL 84 (Day 192) Time: 10 38 CDT
Air Temperature: 21.2 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 10 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.2 (C)
Epilimnion Temperature: 21 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.20	6.50	15.40	10.00	8.00
1.00	21.00	6.75	14.10	11.00	7.30
2.00	20.80	7.00	13.30	12.00	6.80
3.00	20.70	7.25	12.70	13.00	6.40
4.00	20.40	7.50	12.15	14.00	6.10
5.00	20.10	7.75	11.40	15.00	5.90
5.25	19.70	8.00	10.70	16.00	5.70
5.50	19.40	8.25	10.00	17.00	5.60
5.75	19.10	8.50	9.30	18.00	5.40
6.00	18.20	8.75	9.20	19.00	5.10
6.25	16.90	9.00	8.80	20.00	5.10

****

Lake # 373 26 JUL 84 (Day 207) Time: 13 11 CDT
Air Temperature: 23 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 7.8 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.3 (C)
Epilimnion Temperature: 22.3 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 6.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.30	6.75	17.00	9.75	8.80
1.00	22.30	7.00	15.50	10.00	8.50
2.00	22.30	7.25	14.30	11.00	7.70
3.00	22.10	7.50	13.40	12.00	7.00
4.00	22.00	7.75	12.90	13.00	6.50
5.00	21.70	8.00	12.15	14.00	6.30
5.25	21.30	8.25	11.50	15.00	6.00
5.50	21.10	8.50	10.70	16.00	5.80
5.75	20.70	8.75	10.40	17.00	5.70
6.00	19.60	9.00	9.80	18.00	5.60
6.25	18.70	9.25	9.30	19.00	5.40
6.50	17.60	9.50	9.00	19.75	5.40

****

Lake # 373 10 AUG 84 (Day 222) Time: 15 01 CDT
Air Temperature: 25 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: 9.4 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 24.8 (C)
Epilimnion Temperature: 24.7 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	24.80	7.25	16.00	10.75	8.10
1.00	24.70	7.50	15.00	11.00	7.90
2.00	24.70	7.75	14.30	11.25	7.60
3.00	24.60	8.00	13.60	11.50	7.50
4.00	24.60	8.25	13.10	11.75	7.30
5.00	24.00	8.50	12.50	12.00	7.20
5.25	23.60	8.75	11.95	13.00	6.80
5.50	23.10	9.00	11.00	14.00	6.50
5.75	22.50	9.25	10.10	15.00	6.20
6.00	21.70	9.50	9.50	16.00	5.70
6.25	20.60	9.75	9.30	17.00	5.60
6.50	19.30	10.00	9.00	18.00	5.50
6.75	18.40	10.25	8.60	19.00	5.40
7.00	17.20	10.50	8.40	19.50	5.40

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Lake # 373 23 AUG 84 (Day 235) Time: 11 15 CDT
Air Temperature: 15.5 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.8 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21 (C)
Epilimnion Temperature: 21.2 (C) Epilimnion Depth (1 C/M): 6.625 (M)
Planar-Thermocline : 7.375 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.00	7.50	16.50	10.50	9.20
1.00	21.20	7.75	15.40	10.75	8.90
2.00	21.20	8.00	14.50	11.00	8.60
3.00	21.30	8.25	13.90	12.00	7.70
4.00	21.30	8.50	13.20	13.00	7.10
5.00	21.30	8.75	12.50	14.00	6.70
6.00	21.30	9.00	11.95	15.00	6.40
6.25	21.20	9.25	11.00	16.00	6.20
6.50	21.30	9.50	10.70	17.00	5.90
6.75	20.40	9.75	10.20	18.00	5.70
7.00	19.70	10.00	9.90	19.00	5.60
7.25	19.00	10.25	9.30	20.00	5.50

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Lake # 373 5 SEP 84 (Day 248) Time: 10 44 CDT
Air Temperature: 15 (C) Wind: N 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 7.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.6 (C)
Epilimnion Temperature: 18.6 (C) Epilimnion Depth (1 C/M): 8.125 (M)
Planar-Thermocline : 8.125 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.60	8.50	13.40	11.00	9.00
1.00	18.60	8.75	13.10	12.00	8.00
2.00	18.60	9.00	12.25	13.00	7.10
3.00	18.60	9.25	11.50	14.00	6.70
4.00	18.60	9.50	10.90	15.00	6.50
5.00	18.60	9.75	10.70	16.00	6.10
6.00	18.50	10.00	10.10	17.00	6.00
7.00	18.50	10.25	9.50	18.00	5.80
8.00	17.60	10.50	9.30	19.00	5.70
8.25	14.60	10.75	9.20	20.00	5.50

****

Lake # 373 20 SEP 84 (Day 263) Time: 13 48 CDT
Air Temperature: 19.6 (C) Wind: SE 0 - 5 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 8.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.1 (C)
Epilimnion Temperature: 15.8 (C) Epilimnion Depth (1 C/M): 9.125 (M)
Planar-Thermocline : 10.125 (M) Change at Planar-Thermo: 5.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.10	9.25	14.30	11.75	8.30
1.00	15.80	9.50	13.90	12.00	8.00
2.00	15.60	9.75	13.00	13.00	7.30
3.00	15.50	10.00	11.95	14.00	6.70
4.00	15.40	10.25	10.50	15.00	6.40
5.00	15.40	10.50	10.10	16.00	6.20
6.00	15.20	10.75	9.30	17.00	5.90
7.00	15.00	11.00	9.10	18.00	5.80
8.00	14.90	11.25	8.70	19.00	5.70
9.00	14.60	11.50	8.50	19.75	5.60

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Lake # 373 3 OCT 84 (Day 276) Time: 09 56 CDT
Air Temperature: 9 (C) Wind: S 0 - 5 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 7.4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.9 (C)
Epilimnion Temperature: 10.9 (C) Epilimnion Depth (1 C/M): 12.125 (M)
Planar-Thermocline : 12.625 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.90	8.00	10.80	13.00	7.80
1.00	10.90	9.00	10.80	14.00	7.00
2.00	10.90	10.00	10.70	15.00	6.60
3.00	10.90	11.00	10.50	16.00	6.30
4.00	10.90	12.00	10.30	17.00	6.10
5.00	10.90	12.25	9.60	18.00	5.90
6.00	10.90	12.50	9.60	19.00	5.80
7.00	10.80	12.75	8.50		

****

Lake # 373 23 OCT 84 (Day 296) Time: 12 26 CDT
Air Temperature: 4 (C) Wind: W 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 6.2 (M) Water Color: BLUE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 9 (C)
Epilimnion Temperature: 9.2 (C) Epilimnion Depth (1 C/M): 15.125 (M)
Planar-Thermocline : 15.375 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	9.00	8.00	9.20	15.25	8.20
1.00	9.20	9.00	9.20	15.50	7.40
2.00	9.20	10.00	9.20	15.75	7.20
3.00	9.20	11.00	9.20	16.00	6.60
4.00	9.20	12.00	9.20	17.00	6.10
5.00	9.20	13.00	9.10	18.00	5.90
6.00	9.20	14.00	9.00	19.00	5.80
7.00	9.20	15.00	8.70	19.75	5.70

****

Lake # 374 22 MAY 84 (Day 142) Time: 09 15 CDT
Air Temperature: 12 (C) Wind: SW 15 - 20 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 7.2 (C)
Epilimnion Temperature: 7.2 (C) Epilimnion Depth (1 C/M): 23 (M)
Planar-Thermocline : 22.5 (M) Change at Planar-Thermo: 0.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	7.20	8.00	7.00	16.00	7.00
1.00	7.20	9.00	7.00	17.00	7.00
2.00	7.20	10.00	7.00	18.00	7.00
3.00	7.20	11.00	7.00	19.00	7.00
4.00	7.10	12.00	7.00	20.00	6.90
5.00	7.00	13.00	7.00	21.00	6.90
6.00	7.00	14.00	7.00	22.00	6.80
7.00	7.00	15.00	7.00	23.00	6.00

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Lake # 374 20 JUN 84 (Day 171) Time: 08 55 CDT
Air Temperature: 20 (C) Wind: 0 -
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 6.3 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.3 (C)
Epilimnion Temperature: 17.3 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.30	7.00	14.30	14.00	9.30
1.00	17.30	7.25	13.70	15.00	8.70
2.00	17.00	7.50	13.10	16.00	7.90
3.00	16.50	7.75	12.70	17.00	7.50
4.00	16.20	8.00	12.50	18.00	7.10
5.00	15.90	9.00	11.95	19.00	6.90
6.00	15.20	10.00	11.40	20.00	6.80
6.25	14.90	11.00	10.80	21.00	6.60
6.50	14.80	12.00	9.90	22.00	6.20
6.75	14.50	13.00	9.60	22.75	6.10

****

Lake # 374 17 JUL 84 (Day 198) Time: 11 18 CDT
Air Temperature: 23 (C) Wind: W 15 - 20 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.6 (C)
Epilimnion Temperature: 20.6 (C) Epilimnion Depth (1 C/M): 7.625 (M)
Planar-Thermocline : 13.5 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.60	8.00	16.90	13.00	19.90
1.00	20.60	8.25	16.10	14.00	9.30
2.00	20.50	8.50	15.00	15.00	9.10
3.00	20.50	8.75	14.70	16.00	8.40
4.00	20.50	9.00	14.20	17.00	7.80
5.00	20.50	9.25	13.40	18.00	7.50
6.00	20.48	9.50	13.20	19.00	7.30
7.00	20.48	9.75	12.90	20.00	7.00
7.25	20.48	10.00	12.50	21.00	6.85
7.50	20.40	11.00	11.60	22.00	6.70
7.75	18.40	12.00	10.70		

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Lake # 374 2 AUG 84 (Day 214) Time: 09 41 CDT
Air Temperature: 25 (C) Wind: E 10 - 15 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 8.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.2 (C)
Epilimnion Temperature: 22.2 (C) Epilimnion Depth (1 C/M): 7.125 (M)
Planar-Thermocline : 8.375 (M) Change at Planar-Thermo: 5.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.20	8.50	16.20	14.00	9.00
1.00	22.20	8.75	15.40	15.00	8.50
2.00	22.10	9.00	14.60	16.00	8.10
3.00	22.00	9.25	14.20	17.00	7.80
4.00	21.90	9.50	13.50	18.00	7.50
5.00	21.50	9.75	12.70	19.00	7.20
6.00	21.30	10.00	12.35	20.00	7.00
7.00	20.90	10.25	11.70	21.00	6.80
7.25	20.50	10.50	11.50	22.00	6.60
7.50	20.50	10.75	11.20	23.00	6.40
7.75	19.60	11.00	11.00	24.00	6.10
8.00	18.70	12.00	10.20	24.50	6.00
8.25	17.60	13.00	9.40		

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Lake # 374 15 AUG 84 (Day 227) Time: 09 00 CDT
Air Temperature: 19 (C) Wind: SE 25 - 30 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 5.9 (M) Water Color: PALE
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.5 (C)
Epilimnion Temperature: 23.5 (C) Epilimnion Depth (1 C/M): 7.125 (M)
Planar-Thermocline : 7.875 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.50	8.75	16.30	12.00	10.80
1.00	23.50	9.00	15.60	13.00	9.90
2.00	23.50	9.25	14.70	14.00	8.80
3.00	23.50	9.50	14.70	15.00	8.20
4.00	23.50	9.75	14.30	16.00	7.90
5.00	23.50	10.00	13.90	17.00	7.40
6.00	23.40	10.25	13.50	18.00	7.10
7.00	23.00	10.50	13.10	19.00	6.90
7.25	22.70	10.75	12.80	20.00	6.70
7.50	22.50	11.00	12.25	21.00	6.60
7.75	22.40	11.25	11.70	22.00	6.50
8.00	18.70	11.50	11.10	23.00	6.10
8.25	17.40	11.75	10.80	24.00	6.10
8.50	16.50				

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Lake # 374 30 AUG 84 (Day 242) Time: 11 47 CDT
Air Temperature: 22 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 9.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.9 (C)
Epilimnion Temperature: 21.9 (C) Epilimnion Depth (1 C/M): 8.875 (M)
Planar-Thermocline : 9.875 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.90	9.50	19.60	13.00	9.30
1.00	21.90	9.75	18.80	13.25	9.10
2.00	21.90	10.00	17.00	13.50	8.90
3.00	21.90	10.25	13.90	13.75	8.70
4.00	21.90	10.50	12.90	14.00	8.60
5.00	21.90	10.75	12.35	15.00	8.10
6.00	21.90	11.00	11.95	16.00	7.70
7.00	21.30	11.25	11.50	17.00	7.50
8.00	21.20	11.50	11.10	18.00	7.10
8.25	21.00	11.75	10.80	19.00	6.60
8.50	21.00	12.00	10.70	20.00	6.40
8.75	20.90	12.25	10.10	21.00	6.20
9.00	20.50	12.50	10.00	22.00	5.90
9.25	19.80	12.75	9.60	22.25	6.00

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Lake # 374 11 SEP 84 (Day 254) Time: 11 23 CDT
Air Temperature: 12 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 6.4 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.1 (C)
Epilimnion Temperature: 17.2 (C) Epilimnion Depth (1 C/M): 10.625 (M)
Planar-Thermocline : 11.125 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.10	10.50	17.20	15.00	8.20
1.00	17.20	10.75	16.80	16.00	7.80
2.00	17.30	11.00	15.80	17.00	7.60
3.00	17.30	11.25	14.10	18.00	7.10
4.00	17.30	11.50	12.70	19.00	6.70
5.00	17.30	11.75	12.15	20.00	6.50
6.00	17.30	12.00	11.80	21.00	6.30
7.00	17.30	12.25	11.10	22.00	6.20
8.00	17.30	12.50	10.60	23.00	6.20
9.00	17.30	12.75	10.30	24.00	6.10
10.00	17.30	13.00	11.10	25.00	6.00
10.25	17.20	14.00	8.90		

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Lake # 374 9 OCT 84 (Day 282) Time: 11 00 CDT
Air Temperature: 10 (C) Wind: NW 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.1 (C)
Epilimnion Temperature: 11.1 (C) Epilimnion Depth (1 C/M): 16.5 (M)
Planar-Thermocline : 17.375 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.10	10.00	10.70	17.50	8.40
1.00	11.10	11.00	10.70	17.75	8.10
2.00	11.10	12.00	10.60	18.00	7.80
3.00	10.90	13.00	10.60	19.00	7.30
4.00	10.90	14.00	10.50	20.00	6.50
5.00	10.90	15.00	10.50	21.00	6.40
6.00	10.90	16.00	10.50	22.00	6.30
7.00	10.80	17.00	9.50	23.00	6.10
8.00	10.80	17.25	9.00	24.00	6.10
9.00	10.80				

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Lake # 374 23 OCT 84 (Day 296) Time: 09 31 CDT
Air Temperature: 4 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 7.8 (M) Water Color: BLUE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 9.3 (C)
Epilimnion Temperature: 9.4 (C) Epilimnion Depth (1 C/M): 19.375 (M)
Planar-Thermocline : 19.875 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	9.30	9.00	9.40	18.00	9.30
1.00	9.40	10.00	9.40	19.00	9.20
2.00	9.40	11.00	9.40	19.25	9.10
3.00	9.40	12.00	9.40	19.50	8.80
4.00	9.40	13.00	9.40	19.75	8.40
5.00	9.40	14.00	9.40	20.00	7.40
6.00	9.40	15.00	9.40	21.00	6.70
7.00	9.40	16.00	9.30	22.00	6.50
8.00	9.40	17.00	9.30	23.00	6.30

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Lake # 382 16 MAY 84 (Day 136) Time: 08 57 CDT
Air Temperature: 12 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 0 /10 Weather Description:
Secchi Visibility: 5 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.6 (C)
Epilimnion Temperature: 10.6 (C) Epilimnion Depth (1 C/M): 3.375 (M)
Planar-Thermocline : 3.625 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.60	3.75	8.80	8.00	6.90
1.00	10.60	4.00	8.70	9.00	6.60
2.00	10.50	5.00	8.00	10.00	6.30
3.00	10.20	6.00	7.80	11.00	5.90
3.25	10.00	7.00	7.20	12.00	5.70
3.50	9.60				

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Lake # 382 30 MAY 84 (Day 150) Time: 14 33 CDT
Air Temperature: 22 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 5.4 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.6 (C)
Epilimnion Temperature: 14.6 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.60	5.25	11.90	7.25	7.20
1.00	14.60	5.50	11.60	7.50	6.90
2.00	14.40	5.75	11.20	7.75	6.70
2.25	14.10	6.00	10.10	8.00	6.60
2.50	13.60	6.25	8.90	9.00	6.30
2.75	13.20	6.50	8.30	10.00	6.10
3.00	13.00	6.75	7.90	11.00	5.90
4.00	12.50	7.00	7.60	12.00	5.90
5.00	12.10				

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Lake # 382 13 JUN 84 (Day 164) Time: 09 25 CDT
Air Temperature: 14.5 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.7 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.8 (C)
Epilimnion Temperature: 16.8 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.80	5.25	13.70	7.25	8.60
1.00	16.80	5.50	13.20	7.50	8.40
2.00	16.80	5.75	12.40	7.75	7.90
3.00	16.80	6.00	11.85	8.00	7.80
4.00	16.30	6.25	10.70	9.00	7.00
4.25	16.00	6.50	10.10	10.00	6.50
4.50	15.80	6.75	9.40	11.00	6.30
4.75	15.50	7.00	9.00	12.00	6.30
5.00	15.00				

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Lake # 382 27 JUN 84 (Day 178) Time: 08 43 CDT
Air Temperature: 20 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 19.6 (C)
Epilimnion Temperature: 19.6 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	19.60	5.00	16.30	6.75	10.60
1.00	19.60	5.25	15.50	7.00	9.60
2.00	19.50	5.50	14.30	8.00	8.60
3.00	19.50	5.75	13.60	9.00	7.70
4.00	18.90	6.00	12.90	10.00	7.00
4.25	18.10	6.25	11.85	11.00	6.50
4.50	17.90	6.50	11.10	12.00	6.50
4.75	17.20				

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Lake # 382 11 JUL 84 (Day 192) Time: 09 05 CDT
Air Temperature: 24 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 5 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.2 (C)
Epilimnion Temperature: 21.2 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.20	5.25	16.80	7.25	9.40
1.00	21.20	5.50	15.70	7.50	9.10
2.00	21.20	5.75	14.40	7.75	8.80
3.00	20.70	6.00	13.50	8.00	8.60
4.00	20.10	6.25	12.15	9.00	7.70
4.25	19.70	6.50	11.70	10.00	7.20
4.50	19.40	6.75	11.00	11.00	6.80
4.75	19.10	7.00	10.40	12.00	6.60
5.00	18.40				

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Lake # 382 25 JUL 84 (Day 206) Time: 08 57 CDT
Air Temperature: 18 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 4 /10 Weather Description:
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.2 (C)
Epilimnion Temperature: 22.3 (C) Epilimnion Depth (1 C/M): 4.875 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.20	5.25	19.00	7.25	10.60
1.00	22.30	5.50	17.40	7.50	9.87
2.00	22.20	5.75	15.90	7.75	9.40
3.00	22.20	6.00	14.70	8.00	9.10
4.00	22.00	6.25	13.55	9.00	8.10
4.25	21.80	6.50	12.60	10.00	7.40
4.50	21.80	6.75	11.80	11.00	7.20
4.75	21.60	7.00	11.05	12.00	7.10
5.00	20.40				

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Lake # 382 8 AUG 84 (Day 220) Time: 10 31 CDT
Air Temperature: 27 (C) Wind: NW 5 - 10 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 26.5 (C)
Epilimnion Temperature: 26.1 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 5.625 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	26.50	4.50	22.60	7.50	10.70
1.00	26.10	4.75	21.80	7.75	10.00
2.00	25.80	5.00	21.00	8.00	9.40
2.25	25.40	5.25	20.30	8.25	9.00
2.50	25.10	5.50	19.10	8.50	8.80
2.75	24.90	5.75	17.30	8.75	8.50
3.00	24.70	6.00	15.80	9.00	8.20
3.25	24.30	6.25	14.80	10.00	7.70
3.50	24.00	6.50	13.90	11.00	7.30
3.75	23.60	6.75	12.70	12.00	7.00
4.00	23.40	7.00	11.70	12.25	6.70
4.25	23.00	7.25	11.00		

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Lake # 382 10 AUG 84 (Day 222) Time: 13 45 CDT
Air Temperature: 23 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 7 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.1 (C)
Epilimnion Temperature: 25 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 6.125 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.10	5.50	19.40	8.00	9.30
1.00	25.00	5.75	18.20	8.25	8.90
2.00	24.90	6.00	16.70	8.50	8.70
3.00	24.80	6.25	14.90	8.75	8.40
4.00	23.90	6.50	13.60	9.00	8.00
4.25	23.40	6.75	12.90	10.00	7.60
4.50	22.90	7.00	12.05	11.00	7.20
4.75	22.40	7.25	11.40	12.00	7.00
5.00	21.50	7.50	10.80	12.25	6.70
5.25	20.40	7.75	10.10		

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Lake # 382 22 AUG 84 (Day 234) Time: 10 00 CDT
Air Temperature: 21 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 5.5 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.3 (C)
Epilimnion Temperature: 22.3 (C) Epilimnion Depth (1 C/M): 5.375 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 8.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.30	6.25	15.80	8.50	9.10
1.00	22.30	6.50	14.40	8.75	8.80
2.00	22.30	6.75	13.60	9.00	8.40
3.00	22.30	7.00	12.60	9.25	8.10
4.00	22.20	7.25	11.70	9.50	7.90
5.00	22.10	7.50	10.90	9.75	7.80
5.25	21.90	7.75	10.20	10.00	7.60
5.50	21.10	8.00	9.60	11.00	7.30
5.75	19.30	8.25	9.20	11.75	7.10
6.00	17.20				

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Lake # 382 6 SEP 84 (Day 249) Time: 04 04 CDT
Air Temperature: 20 (C) Wind: SW 5 - 10 KMPH
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: 3.6 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.4 (C)
Epilimnion Temperature: 18.4 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.625 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.40	6.75	15.60	8.75	9.30
1.00	18.40	7.00	14.30	9.00	8.90
2.00	18.40	7.25	13.10	9.25	8.30
3.00	18.40	7.50	12.15	9.50	8.30
4.00	18.40	7.75	11.10	9.75	8.10
5.00	18.10	8.00	10.50	10.00	7.90
6.00	18.00	8.25	9.80	11.00	7.50
6.25	17.60	8.50	9.40	11.50	7.30
6.50	17.30				

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Lake # 623 1 JUN 84 (Day 152) Time: 09 26 CDT
Air Temperature: 17.3 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 14.5 (C)
Epilimnion Temperature: 14.5 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 5.625 (M) Change at Planar-Thermo: 4.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	14.50	5.50	11.95	10.00	6.00
1.00	14.50	5.75	10.80	11.00	5.70
2.00	14.40	6.00	9.90	12.00	5.40
3.00	14.30	6.25	9.30	13.00	5.10
3.25	14.30	6.50	8.80	14.00	5.00
3.50	14.30	6.75	8.40	15.00	4.90
3.75	13.90	7.00	8.00	16.00	4.80
4.00	13.10	7.25	7.60	17.00	4.80
4.25	13.00	7.50	7.40	18.00	4.70
4.50	12.80	7.75	7.20	19.00	4.70
4.75	12.70	8.00	7.10	20.00	4.70
5.00	12.50	9.00	6.50	20.50	4.70
5.25	12.15				

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Lake # 623 13 JUN 84 (Day 164) Time: 10 12 CDT
Air Temperature: 15 (C) Wind: N 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 5.6 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.5 (C)
Epilimnion Temperature: 16.6 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.625 (M) Change at Planar-Thermo: 5.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.50	6.25	10.80	11.00	5.90
1.00	16.60	6.50	9.50	12.00	5.60
2.00	16.60	6.75	9.20	13.00	5.50
3.00	16.50	7.00	8.50	14.00	5.30
4.00	16.20	7.25	8.00	15.00	5.20
5.00	15.50	7.50	7.80	16.00	5.10
5.25	14.80	7.75	7.50	17.00	5.10
5.50	14.00	8.00	7.30	18.00	5.00
5.75	12.70	9.00	6.80	19.00	4.90
6.00	11.60	10.00	6.20	20.00	4.90

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Lake # 623 28 JUN 84 (Day 179) Time: 09 29 CDT
Air Temperature: 16 (C) Wind: NW 15 - 20 KMPH
Cloud Cover: 6 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.9 (C)
Epilimnion Temperature: 19 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 4.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.90	6.00	12.90	11.00	6.20
1.00	19.00	6.25	12.25	12.00	5.80
2.00	18.90	6.50	11.60	13.00	5.60
3.00	18.90	6.75	10.80	14.00	5.40
4.00	18.90	7.00	10.10	15.00	5.10
4.25	18.60	7.25	9.20	16.00	5.00
4.50	18.50	7.50	8.80	17.00	5.00
4.75	17.80	7.75	8.30	18.00	4.90
5.00	17.00	8.00	8.00	19.00	4.90
5.25	16.00	9.00	7.30	20.00	4.90
5.50	15.10	10.00	6.50	21.00	4.80
5.75	14.10				

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Lake # 623 11 JUL 84 (Day 192) Time: 09 13 CDT
Air Temperature: 21.6 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 6.8 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.4 (C) Epilimnion Depth (1 C/M): 4.125 (M)
Planar-Thermocline : 5.875 (M) Change at Planar-Thermo: 7.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	6.25	12.90	10.00	6.80
1.00	21.40	6.50	12.15	11.00	6.40
2.00	21.30	6.75	11.40	12.00	6.00
3.00	21.10	7.00	10.80	13.00	5.70
4.00	20.50	7.25	10.00	14.00	5.60
4.25	20.20	7.50	9.30	15.00	5.40
4.50	20.00	7.75	9.10	16.00	5.10
4.75	19.70	8.00	8.50	17.00	5.00
5.00	19.10	8.25	8.00	18.00	5.00
5.25	18.20	8.50	7.90	19.00	5.00
5.50	17.30	8.75	7.70	20.00	4.90
5.75	16.20	9.00	7.50	20.50	4.90
6.00	14.30				

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Lake # 623 26 JUL 84 (Day 207) Time: 09 24 CDT
Air Temperature: 19 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4.9 (M) Water Color: PALE -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 22.2 (C)
Epilimnion Temperature: 22.4 (C) Epilimnion Depth (1 C/M): 4.625 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	22.20	6.00	15.80	11.00	6.30
1.00	22.40	6.25	14.40	12.00	6.00
2.00	22.30	6.50	12.90	13.00	5.70
3.00	22.30	6.75	12.35	14.00	5.50
4.00	22.00	7.00	11.20	15.00	5.40
4.25	21.90	7.25	10.70	16.00	5.10
4.50	21.70	7.50	9.60	17.00	5.10
4.75	21.40	7.75	9.20	18.00	5.00
5.00	20.50	8.00	9.00	19.00	4.80
5.25	19.90	9.00	8.10	20.00	4.80
5.50	17.90	10.00	7.20	20.50	4.70
5.75	17.30				

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Lake # 623 8 AUG 84 (Day 220) Time: 09 34 CDT
Air Temperature: 25.5 (C) Wind: 0 0 - 0 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 7.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 25.9 (C)
Epilimnion Temperature: 25.8 (C) Epilimnion Depth (1 C/M): 3.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 8.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	25.90	5.75	18.40	9.00	8.10
1.00	25.80	6.00	17.00	10.00	7.40
2.00	25.70	6.25	15.70	11.00	6.60
3.00	24.85	6.50	14.50	12.00	6.10
3.25	24.60	6.75	13.40	13.00	5.80
3.50	24.30	7.00	12.05	14.00	5.50
3.75	24.00	7.25	11.50	15.00	5.40
4.00	23.65	7.50	10.90	16.00	5.10
4.25	23.30	7.75	10.20	17.00	5.10
4.50	22.90	8.00	9.60	18.00	5.05
4.75	22.60	8.25	9.20	19.00	5.00
5.00	22.70	8.50	8.80	20.00	5.00
5.25	20.70	8.75	8.50	20.50	5.00
5.50	19.50				

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Lake # 623 5 SEP 84 (Day 248) Time: 09 20 CDT
Air Temperature: 13 (C) Wind: N 0 - 5 KMPH
Cloud Cover: 3 /10 Weather Description:
Secchi Visibility: 5.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 17.7 (C)
Epilimnion Temperature: 17.9 (C) Epilimnion Depth (1 C/M): 6.125 (M)
Planar-Thermocline : 6.875 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	17.70	7.25	13.30	10.00	7.30
1.00	17.90	7.50	12.50	11.00	6.70
2.00	17.90	7.75	11.60	12.00	6.30
3.00	17.90	8.00	10.90	13.00	6.00
4.00	18.00	8.25	10.40	14.00	5.70
5.00	18.00	8.50	9.80	15.00	5.50
6.00	18.00	8.75	9.30	16.00	5.40
6.25	17.40	9.00	9.10	17.00	5.40
6.50	17.10	9.25	8.20	18.00	5.10
6.75	16.30	9.50	7.80	19.00	5.10
7.00	14.70	9.75	7.50	20.00	5.10

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Lake # 623 3 OCT 84 (Day 276) Time: 09 01 CDT
Air Temperature: 10 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 2 /10 Weather Description:
Secchi Visibility: 4.1 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.3 (C)
Epilimnion Temperature: 10.2 (C) Epilimnion Depth (1 C/M): 10.125 (M)
Planar-Thermocline : 10.125 (M) Change at Planar-Thermo: 3.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.30	8.00	10.20	13.00	6.10
1.00	10.20	9.00	10.00	14.00	5.80
2.00	10.20	10.00	9.20	15.00	5.70
3.00	10.20	10.25	8.40	16.00	5.60
4.00	10.20	10.50	7.80	17.00	5.40
5.00	10.20	10.75	7.40	18.00	5.40
6.00	10.20	11.00	7.00	19.00	5.40
7.00	10.20	12.00	6.40	20.00	5.40

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Lake # 623 24 OCT 84 (Day 297) Time: 09 25 CDT
Air Temperature: 4 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description: SNOWING
Secchi Visibility: 3.8 (M) Water Color: GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 8.6 (C)
Epilimnion Temperature: 8.5 (C) Epilimnion Depth (1 C/M): 12.125 (M)
Planar-Thermocline : 12.125 (M) Change at Planar-Thermo: 4.000 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	8.60	9.00	8.50	14.00	5.70
1.00	8.50	10.00	8.40	15.00	5.60
2.00	8.50	11.00	8.20	16.00	5.50
3.00	8.50	12.00	8.10	17.00	5.50
4.00	8.50	12.25	7.10	18.00	5.50
5.00	8.50	12.50	7.00	19.00	5.40
6.00	8.50	12.75	6.90	20.00	5.40
7.00	8.50	13.00	6.20	20.50	5.10
8.00	8.50				

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Lake # 629 22 MAY 84 (Day 142) Time: 09 53 CDT
Air Temperature: 14 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: PALE -GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.4 (C)
Epilimnion Temperature: 10.4 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 2.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.40	6.00	8.80	12.00	5.60
1.00	10.40	7.00	8.40	13.00	5.60
2.00	10.40	7.25	8.00	14.00	5.50
3.00	10.40	7.50	7.80	15.00	5.40
4.00	10.40	7.75	7.60	16.00	5.40
5.00	10.30	8.00	7.20	17.00	5.00
5.25	9.80	9.00	6.60	18.00	5.00
5.50	9.20	10.00	5.90	19.00	5.00
5.75	9.00	11.00	5.60		

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Lake # 629 7 JUN 84 (Day 158) Time: 15 37 CDT
Air Temperature: 15.5 (C) Wind: NE 10 - 15 KMPH
Cloud Cover: 10 /10 Weather Description: RAIN
Secchi Visibility: 4.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 15.2 (C)
Epilimnion Temperature: 15.1 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.125 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	15.20	6.75	11.00	9.75	7.20
1.00	15.10	7.00	10.60	10.00	6.90
2.00	15.10	7.25	9.90	11.00	6.40
3.00	15.00	7.50	9.50	12.00	6.10
4.00	15.00	7.75	9.30	13.00	5.80
5.00	14.90	8.00	9.20	14.00	5.60
5.25	13.10	8.25	8.70	15.00	5.50
5.50	12.40	8.50	8.40	16.00	5.40
5.75	12.25	8.75	8.20	17.00	5.10
6.00	12.05	9.00	7.90	18.00	5.10
6.25	11.60	9.25	7.70	19.00	5.10
6.50	11.40	9.50	7.50		

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Lake # 629 19 JUN 84 (Day 170) Time: 10 44 CDT
Air Temperature: 18.4 (C) Wind: NW 15 - 20 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.2 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 18.1 (C)
Epilimnion Temperature: 18.1 (C) Epilimnion Depth (1 C/M): 2.125 (M)
Planar-Thermocline : 7.875 (M) Change at Planar-Thermo: 7.200 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	18.10	6.75	13.70	9.75	7.30
1.00	18.10	7.00	12.90	10.00	7.00
2.00	17.30	7.25	12.40	11.00	6.30
2.25	16.60	7.50	11.80	12.00	5.90
2.50	16.30	7.75	11.40	13.00	5.60
2.75	16.20	8.00	9.60	14.00	5.40
3.00	16.10	8.25	9.00	15.00	5.20
4.00	15.80	8.50	8.70	16.00	5.10
5.00	14.90	8.75	8.40	17.00	5.10
6.00	14.90	9.00	8.10	18.00	5.00
6.25	14.60	9.25	7.80	19.00	5.00
6.50	14.00	9.50	7.50		

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Lake # 629 5 JUL 84 (Day 186) Time: 12 41 CDT
Air Temperature: 18 (C) Wind: SW 15 - 20 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 5.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.4 (C)
Epilimnion Temperature: 20.5 (C) Epilimnion Depth (1 C/M): 3.625 (M)
Planar-Thermocline : 5.625 (M) Change at Planar-Thermo: 4.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.40	5.75	14.60	9.25	7.80
1.00	20.50	6.00	14.00	9.50	7.70
2.00	20.50	6.25	13.30	9.75	7.40
3.00	20.60	6.50	12.80	10.00	7.20
3.25	20.60	6.75	12.05	11.00	6.60
3.50	20.60	7.00	11.40	12.00	6.20
3.75	20.30	7.25	10.80	13.00	5.90
4.00	19.30	7.50	10.40	14.00	5.70
4.25	18.80	7.75	9.80	15.00	5.50
4.50	18.60	8.00	9.30	16.00	5.40
4.75	18.10	8.25	9.10	17.00	5.10
5.00	17.40	8.50	8.80	18.00	5.10
5.25	16.60	8.75	8.50	19.00	5.10
5.50	15.70	9.00	8.20	19.25	5.10

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Lake # 629 17 JUL 84 (Day 198) Time: 09 45 CDT
Air Temperature: 21 (C) Wind: S 10 - 15 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 4.5 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 20.5 (C)
Epilimnion Temperature: 20.7 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	20.50	6.50	13.30	10.00	7.60
1.00	20.70	6.75	12.60	11.00	6.90
2.00	20.70	7.00	12.05	12.00	6.50
3.00	20.70	7.25	11.20	13.00	6.10
4.00	20.70	7.50	11.00	14.00	5.90
5.00	20.30	7.75	10.70	15.00	5.70
5.25	19.00	8.00	9.90	16.00	5.60
5.50	17.40	8.25	9.40	17.00	5.50
5.75	16.50	8.50	9.10	18.00	5.40
6.00	15.20	8.75	8.80	19.00	5.40
6.25	14.30	9.00	8.50		

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Lake # 629 2 AUG 84 (Day 214) Time: 10 52 CDT
Air Temperature: 26 (C) Wind: E 10 - 15 KMPH
Cloud Cover: 1 /10 Weather Description:
Secchi Visibility: 6.8 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.2 (C)
Epilimnion Temperature: 23 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 5.375 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.20	6.75	13.60	9.75	8.10
1.00	23.00	7.00	12.80	10.00	7.80
2.00	22.80	7.25	12.15	11.00	7.10
3.00	22.70	7.50	11.50	12.00	6.60
4.00	22.50	7.75	11.10	13.00	6.20
5.00	21.90	8.00	10.80	14.00	6.00
5.25	21.00	8.25	10.10	15.00	5.80
5.50	19.40	8.50	9.60	16.00	5.60
5.75	18.00	8.75	9.20	17.00	5.50
6.00	16.90	9.00	9.10	18.00	5.50
6.25	15.60	9.25	8.70	19.00	5.40
6.50	14.70	9.50	8.40	20.00	5.10

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Lake # 629 14 AUG 84 (Day 226) Time: 09 38 CDT
Air Temperature: 25 (C) Wind: SE 10 - 15 KMPH
Cloud Cover: 5 /10 Weather Description:
Secchi Visibility: 6.3 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 23.5 (C)
Epilimnion Temperature: 23.5 (C) Epilimnion Depth (1 C/M): 4.5 (M)
Planar-Thermocline : 7.125 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	23.50	6.50	14.90	10.00	7.90
1.00	23.50	6.75	13.60	11.00	7.10
2.00	23.40	7.00	13.00	12.00	6.60
3.00	23.40	7.25	12.40	13.00	6.20
4.00	23.30	7.50	11.80	14.00	6.00
5.00	22.00	7.75	11.10	15.00	5.80
5.25	21.10	8.00	10.70	16.00	5.60
5.50	19.90	8.25	9.90	17.00	5.50
5.75	18.00	8.50	9.20	18.00	5.40
6.00	17.10	8.75	9.00	18.75	5.40
6.25	16.00	9.00	8.80		

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Lake # 629 30 AUG 84 (Day 242) Time: 10 45 CDT
Air Temperature: 22 (C) Wind: SW 10 - 15 KMPH
Cloud Cover: 9 /10 Weather Description:
Secchi Visibility: 6.2 (M) Water Color: PALE -GREEN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 21.6 (C)
Epilimnion Temperature: 21.6 (C) Epilimnion Depth (1 C/M): 5.125 (M)
Planar-Thermocline : 6.375 (M) Change at Planar-Thermo: 6.800 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	21.60	6.75	15.50	9.75	8.20
1.00	21.60	7.00	14.30	10.00	7.80
2.00	21.60	7.25	13.40	11.00	7.10
3.00	21.50	7.50	12.50	12.00	6.50
4.00	21.40	7.75	11.60	13.00	6.30
5.00	21.30	8.00	10.80	14.00	6.20
5.25	20.80	8.25	10.20	15.00	5.90
5.50	20.50	8.50	9.80	16.00	5.70
5.75	20.30	8.75	9.30	17.00	5.50
6.00	19.80	9.00	9.10	18.00	5.50
6.25	18.80	9.25	8.80	18.50	5.50
6.50	17.10	9.50	8.60		

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Lake # 629 11 SEP 84 (Day 254) Time: 09 59 CDT
Air Temperature: 12.5 (C) Wind: E 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 4.8 (M) Water Color: GREEN -YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 16.4 (C)
Epilimnion Temperature: 16.5 (C) Epilimnion Depth (1 C/M): 7.375 (M)
Planar-Thermocline : 7.625 (M) Change at Planar-Thermo: 6.400 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	16.40	7.50	14.80	12.00	6.60
1.00	16.50	7.75	13.20	13.00	6.30
2.00	16.60	8.00	11.80	14.00	5.90
3.00	16.60	8.25	10.70	15.00	5.70
4.00	16.60	8.50	10.00	16.00	5.60
5.00	16.60	8.75	9.40	17.00	5.50
6.00	16.60	9.00	9.00	18.00	5.50
7.00	15.70	10.00	8.10	19.00	5.40
7.25	15.50	11.00	7.20		

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Lake # 629 27 SEP 84 (Day 270) Time: 16 30 CDT
Air Temperature: 8 (C) Wind: SW 20 - 25 KMPH
Cloud Cover: 8 /10 Weather Description:
Secchi Visibility: 3.4 (M) Water Color: YELLOW
Inflow Temperature: Outflow Temperature:
Surface Temperature: 11.5 (C)
Epilimnion Temperature: 11.5 (C) Epilimnion Depth (1 C/M): 9.875 (M)
Planar-Thermocline : 9.875 (M) Change at Planar-Thermo: . (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	11.50	9.00	11.50	12.00	6.70
1.00	11.50	9.25	11.40	13.00	6.30
2.00	11.50	9.50	11.40	14.00	6.00
3.00	11.50	9.75	11.40	15.00	5.80
4.00	11.50	10.00	8.70	16.00	5.70
5.00	11.50	10.25	8.30	17.00	5.60
6.00	11.50	10.50	7.90	18.00	5.60
7.00	11.50	10.75	7.60	19.00	5.50
8.00	11.50	11.00	7.30		

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Lake # 629 9 OCT 84 (Day 282) Time: 10 20 CDT
Air Temperature: 10 (C) Wind: SW 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description: FOG
Secchi Visibility: Water Color:
Inflow Temperature: Outflow Temperature:
Surface Temperature: 10.5 (C)
Epilimnion Temperature: 10.5 (C) Epilimnion Depth (1 C/M): 11.125 (M)
Planar-Thermocline : 11.875 (M) Change at Planar-Thermo: 3.600 (C/M)

DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	10.50	9.00	9.80	12.75	6.50
1.00	10.50	10.00	9.60	13.00	6.30
2.00	10.50	11.00	9.40	14.00	6.00
3.00	10.50	11.25	8.90	15.00	5.90
4.00	10.40	11.50	8.90	16.00	5.80
5.00	10.20	11.75	8.60	17.00	5.70
6.00	10.10	12.00	7.70	18.00	5.70
7.00	9.90	12.25	7.00	19.00	5.70
8.00	9.80	12.50	6.70		

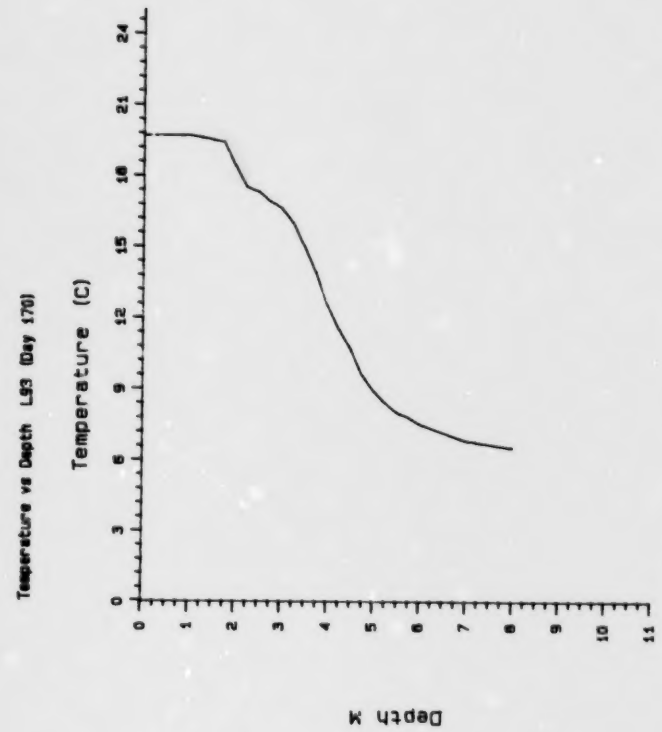
****

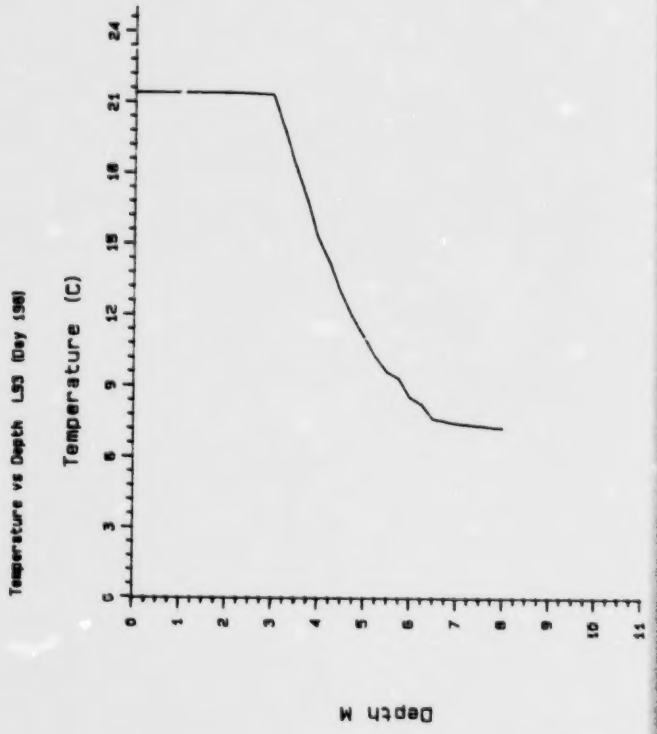
Lake # 627 23 OCT 84 (Day 296) Time: 10 01 CDT
Air Temperature: 5 (C) Wind: W 0 - 5 KMPH
Cloud Cover: 10 /10 Weather Description:
Secchi Visibility: 3.8 (M) Water Color: YELLOW-BROWN
Inflow Temperature: Outflow Temperature:
Surface Temperature: 8.8 (C)
Epilimnion Temperature: 8.8 (C) Epilimnion Depth (1 C/M): 14.125 (M)
Planar-Thermocline : 14.125 (M) Change at Planar-Thermo: 3.600 (C/M)

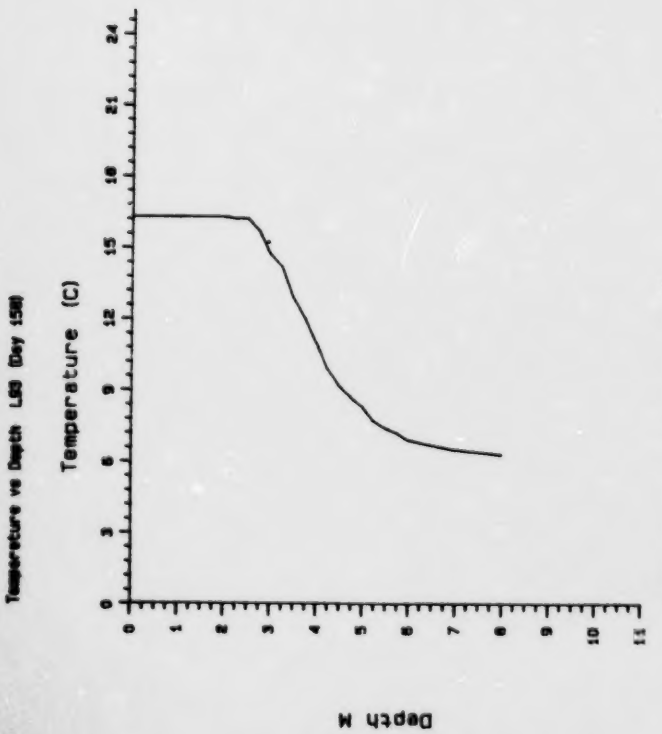
DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)	DEPTH (M)	TEMPERATURE (C)
0.00	8.80	8.00	8.80	14.50	6.70
1.00	8.80	9.00	8.80	14.75	6.50
2.00	8.80	10.00	8.80	15.00	6.30
3.00	8.80	11.00	8.80	16.00	5.90
4.00	8.80	12.00	8.80	17.00	5.80
5.00	8.80	13.00	8.60	18.00	5.70
6.00	8.80	14.00	7.80	19.00	5.60
7.00	8.80	14.25	6.90		

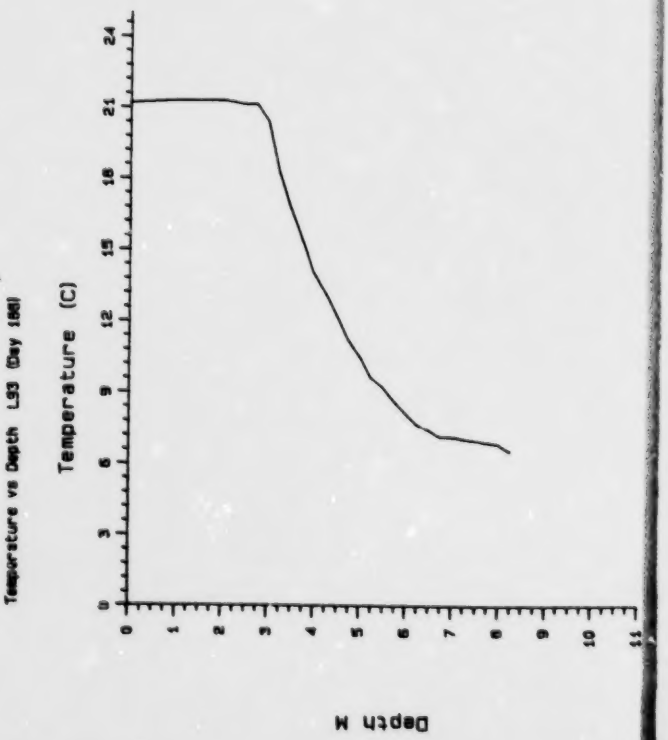
APPENDIX B

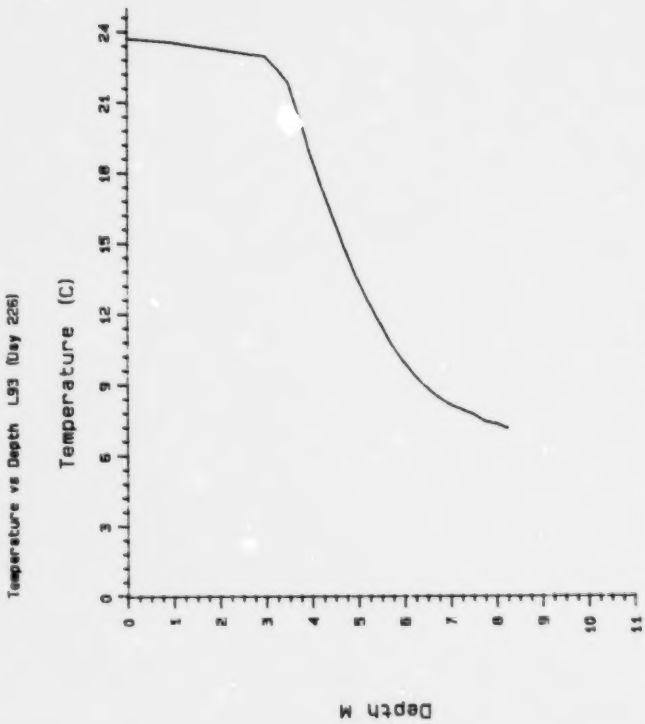
Graphical presentation of temperature profiles.

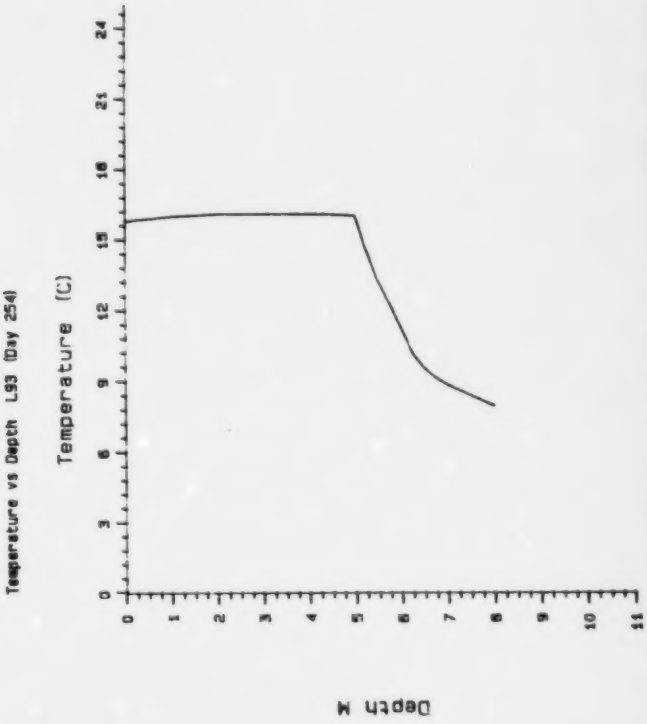

Temperature vs Depth L93 (Day 170)
Temperature (C)
Depth M

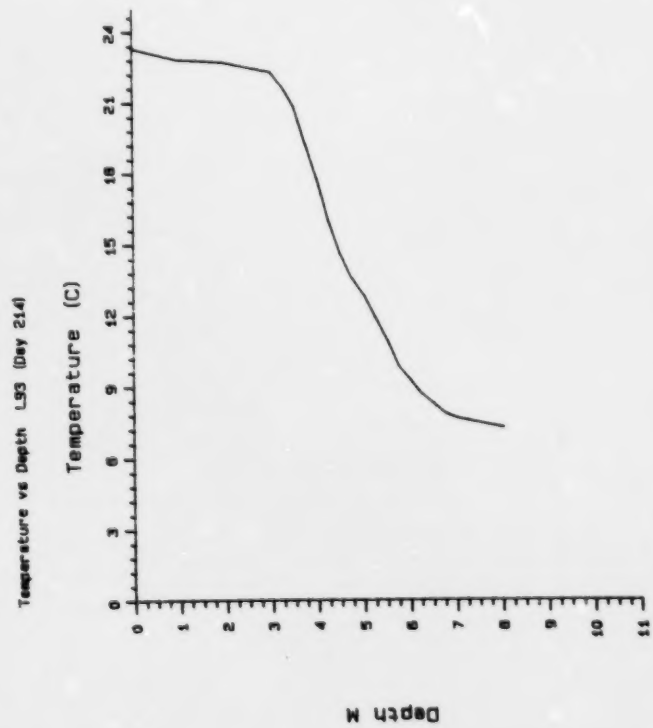

Temperature vs Depth L93 (Day 198)
Temperature (C)
Depth M

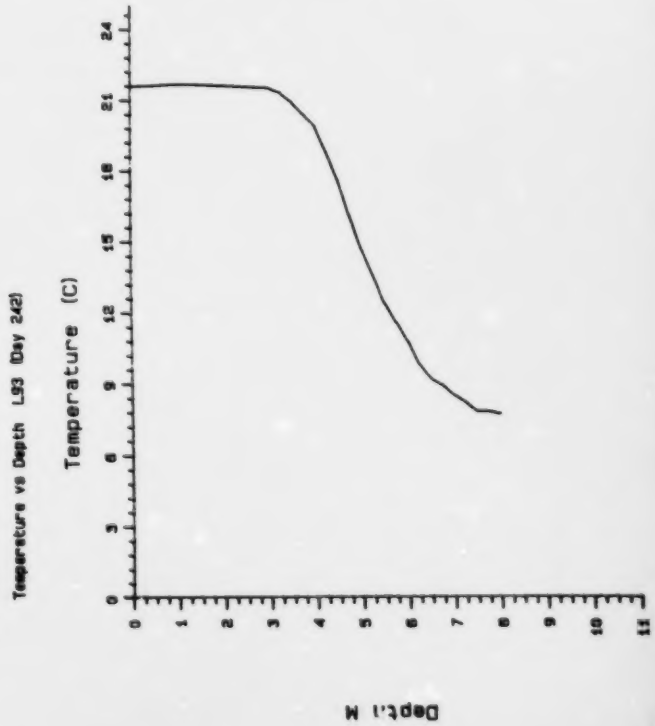

Temperature vs Depth L93 (Day 158)
Temperature (C)
Depth M

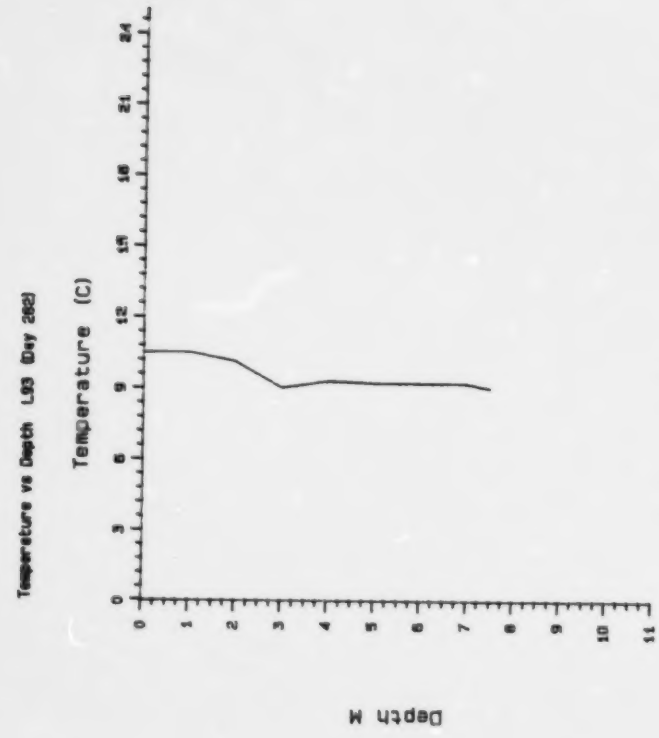

Temperature vs Depth L93 (Day 186)
Temperature (C)
Depth M

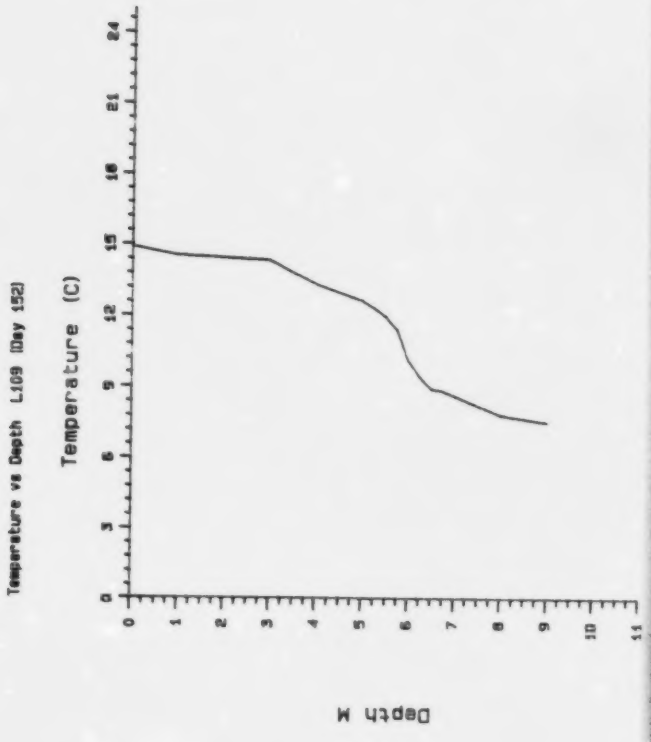

Temperature vs Depth L93 (Day 226)
Temperature (C)
Depth M

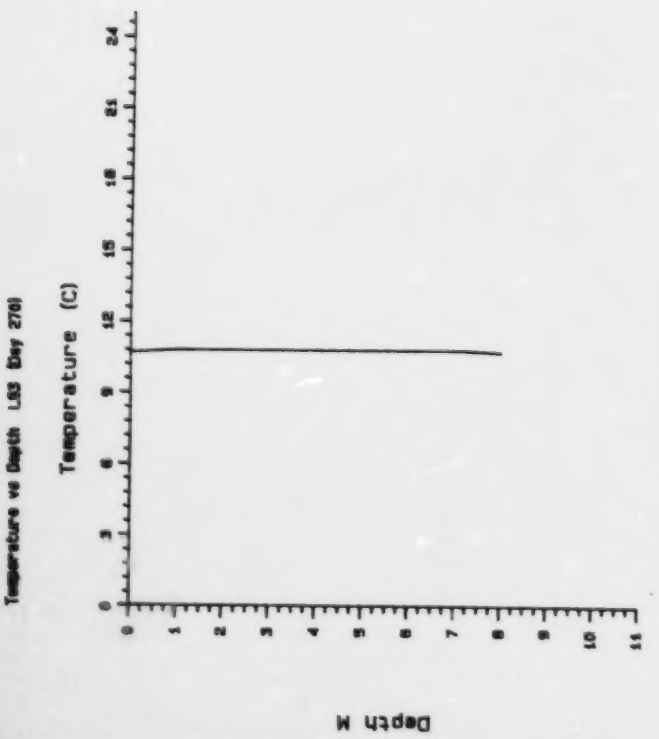

Temperature vs Depth L93 (Day 254)
Temperature (C)
Depth M

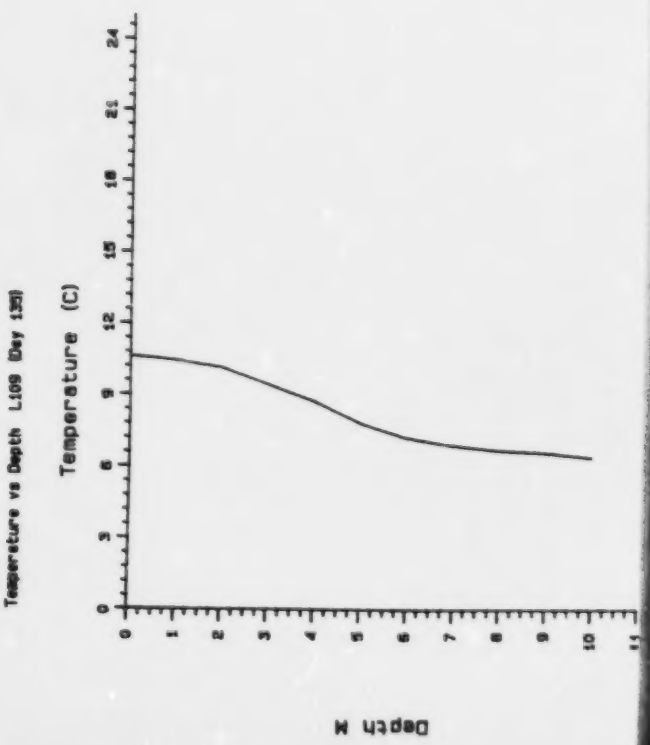

Temperature vs Depth L93 (Day 214)
Temperature (C)
Depth M

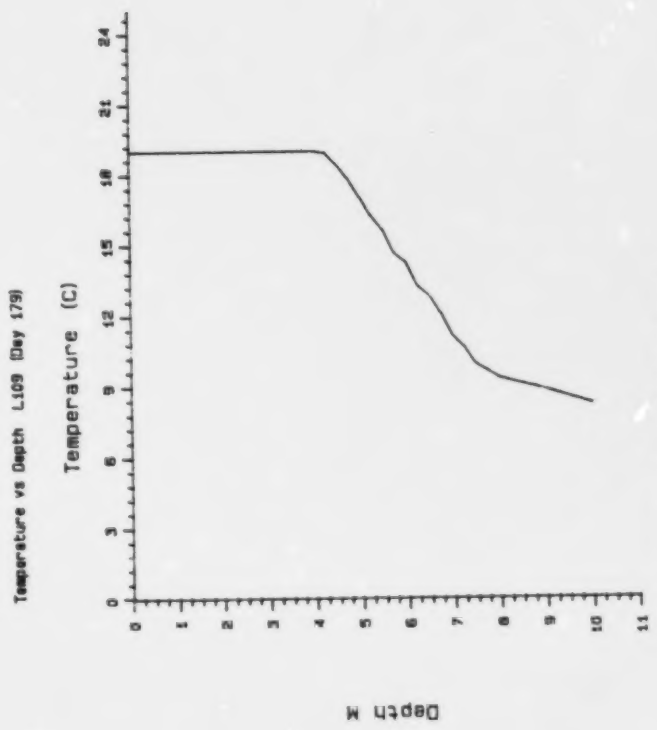

Temperature vs Depth L93 (Day 242)
Temperature (C)
Depth M

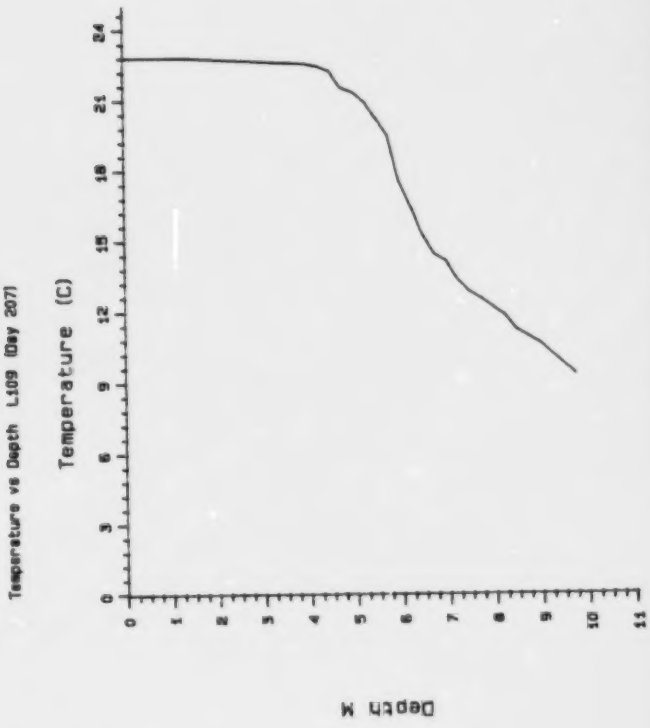

Temperature vs Depth L83 Day 282
Temperature (C)
Depth M

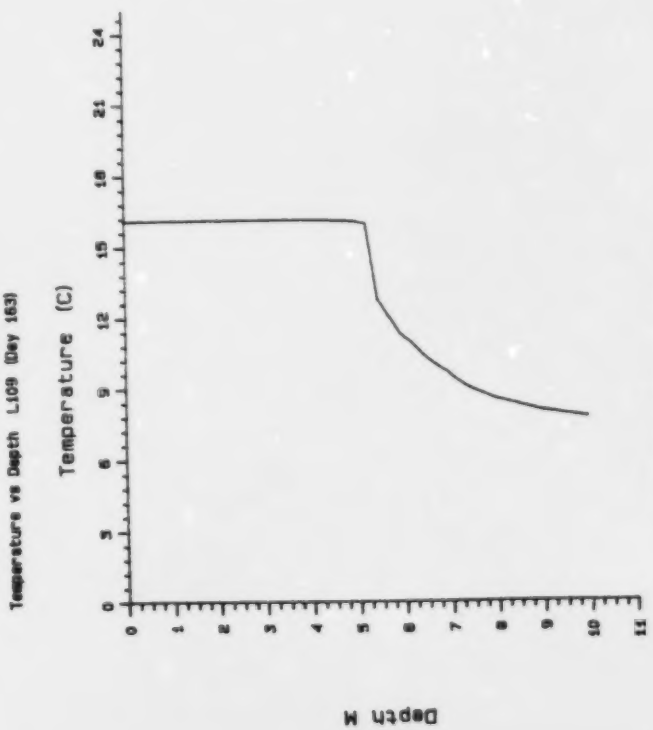

Temperature vs Depth L109 (Day 152)
Temperature (C)
Depth M

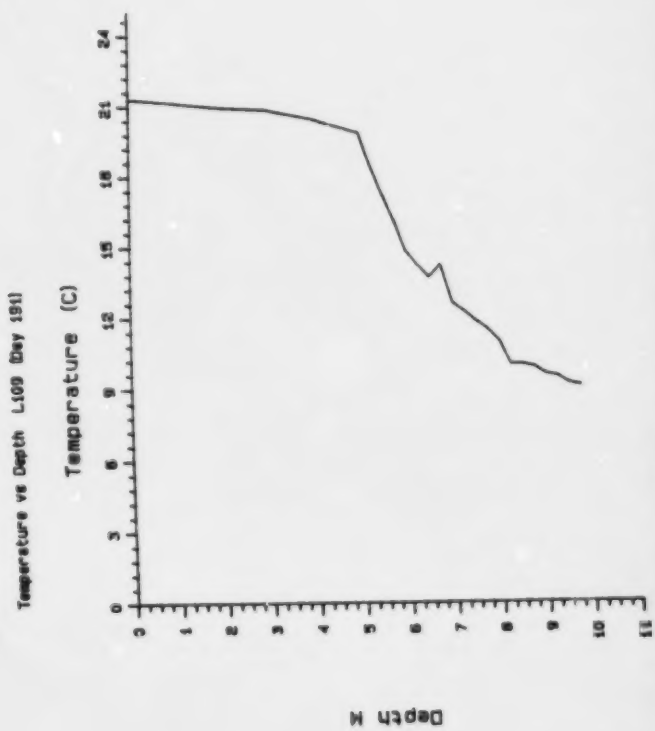

Temperature vs Depth L83 Day 270
Temperature (C)
Depth M

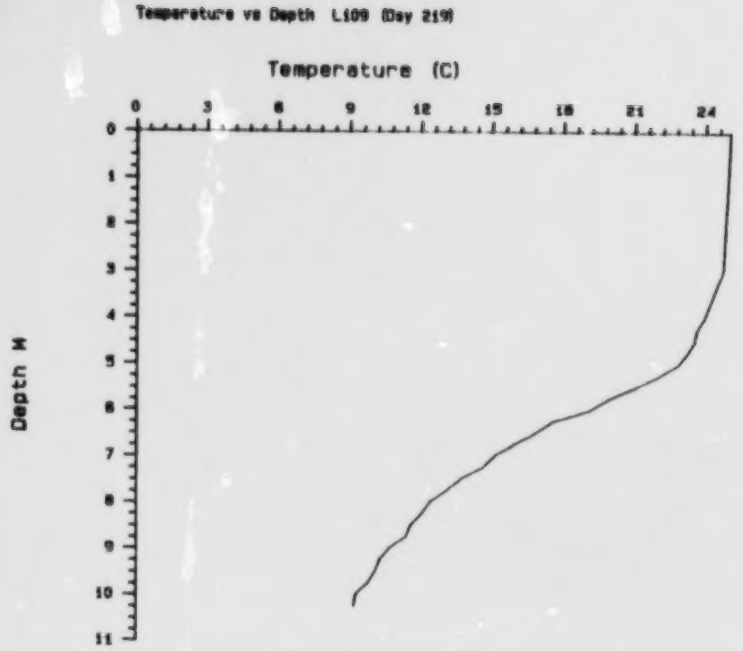

Temperature vs Depth L109 (Day 135)
Temperature (C)
Depth M

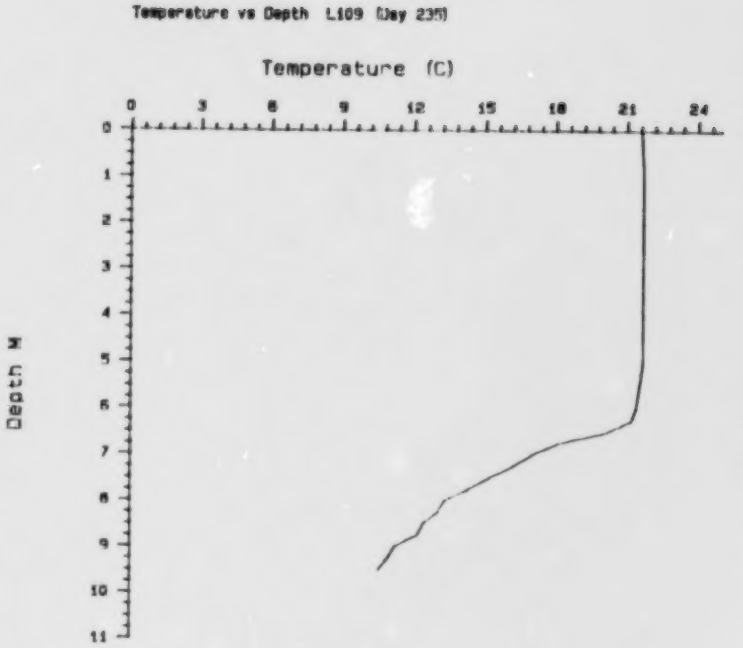

Temperature vs Depth L109 (Day 179)
Temperature (C)
Depth M

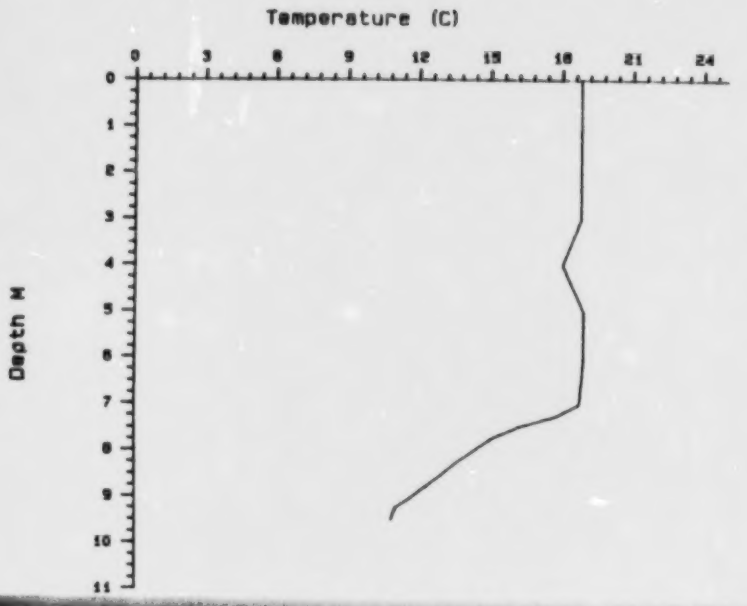

Temperature vs Depth L109 (Day 207)
Temperature (C)
Depth M

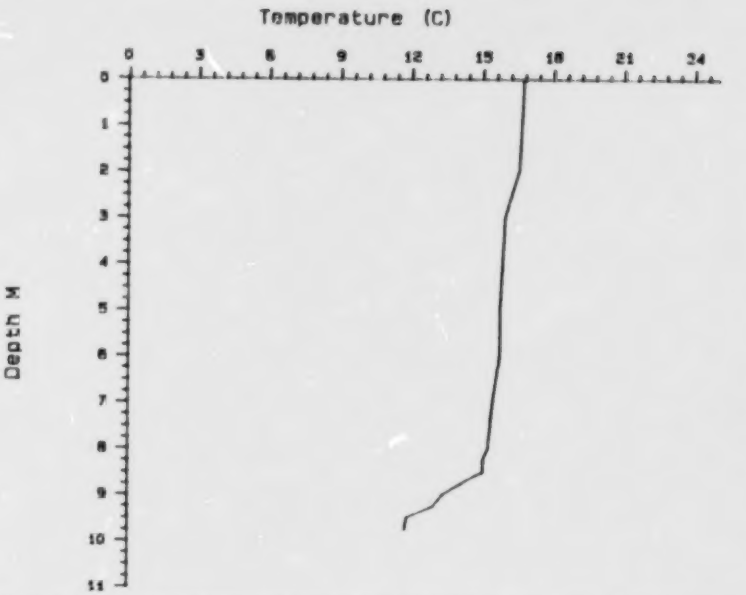

Temperature vs Depth L109 (Day 163)
Temperature (C)
Depth M

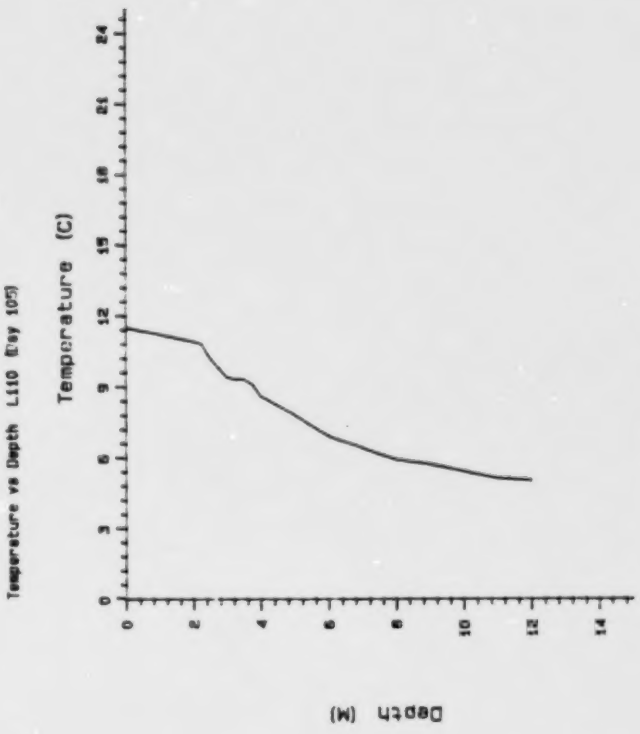

Temperature vs Depth L109 (Day 191)
Temperature (C)
Depth M

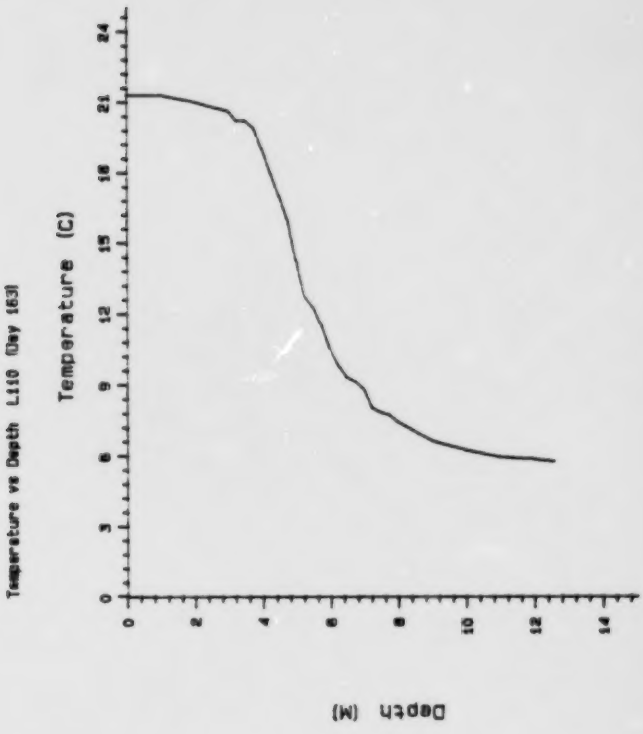

Temperature vs Depth L109 (Day 219)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

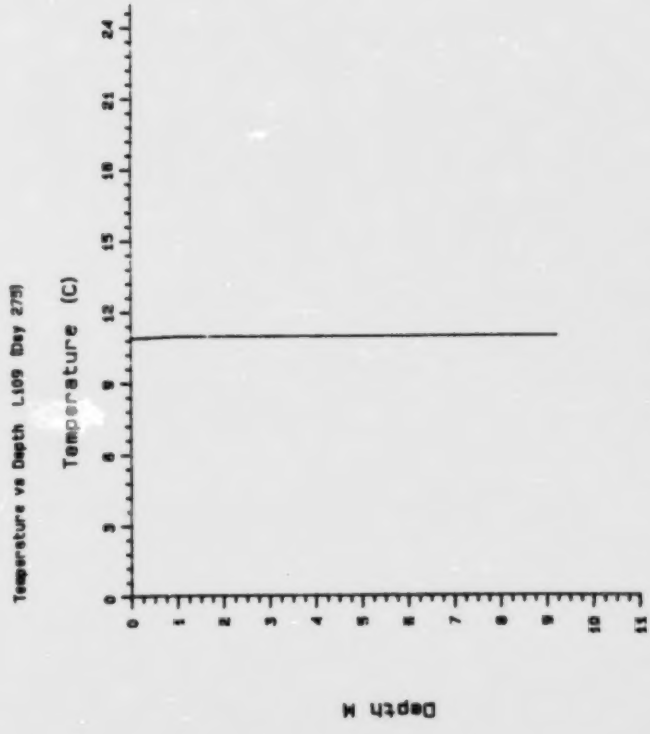

Temperature vs Depth L109 (Day 235)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

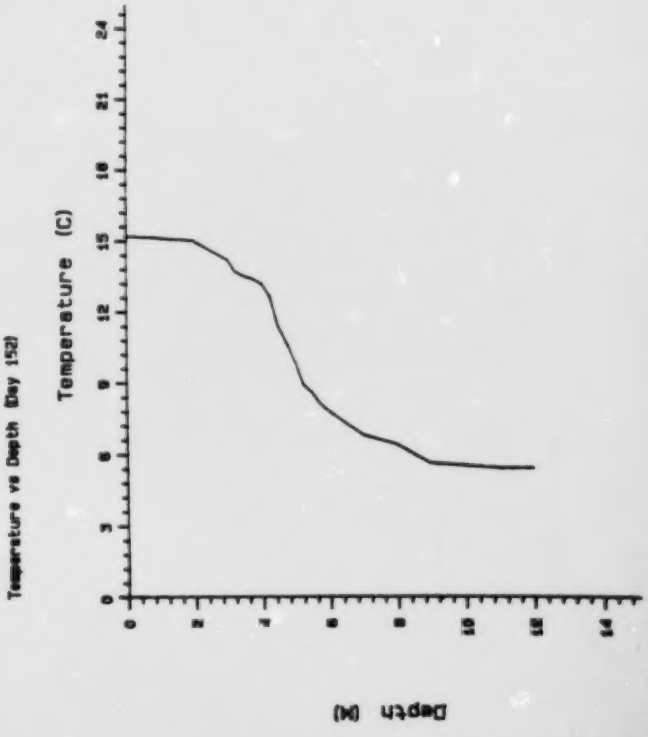

Temperature vs Depth L109 (Day 247)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

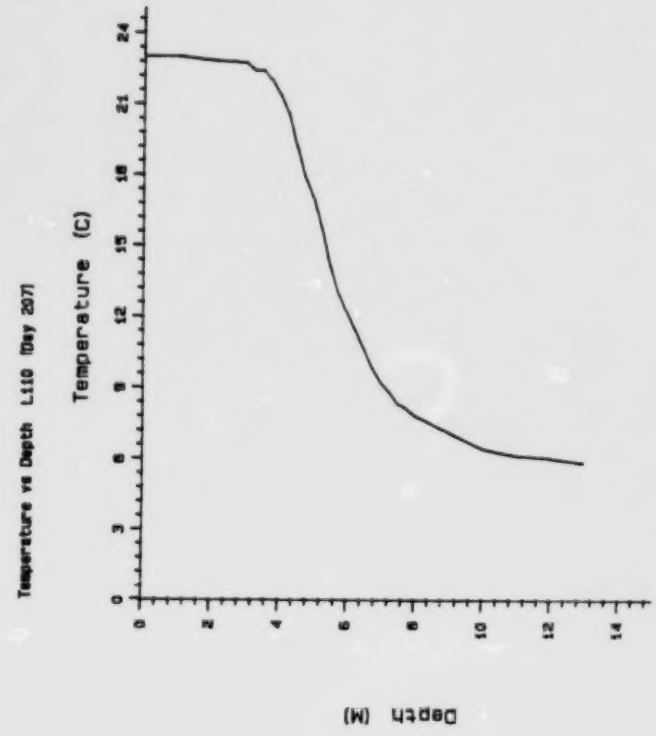

Temperature vs Depth L109 (Day 263)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

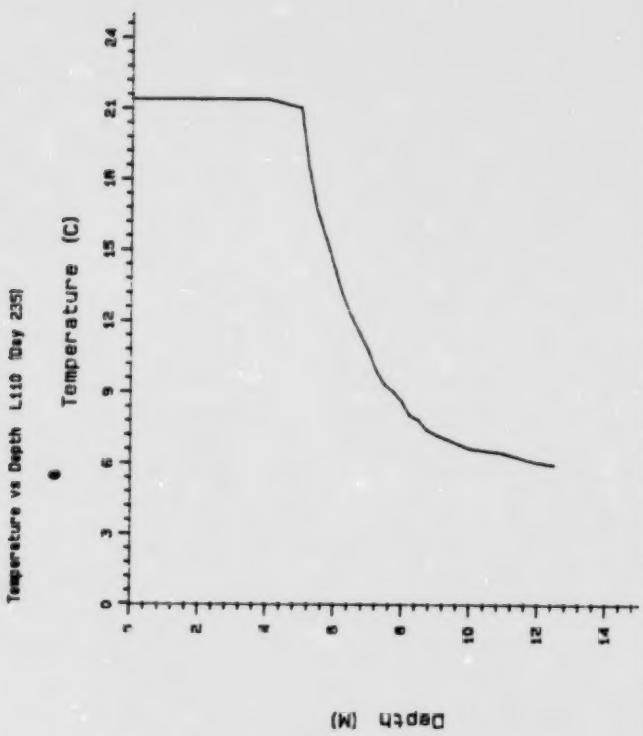

Temperature vs Depth L110 Day 105
Temperature (C)
Depth (M)

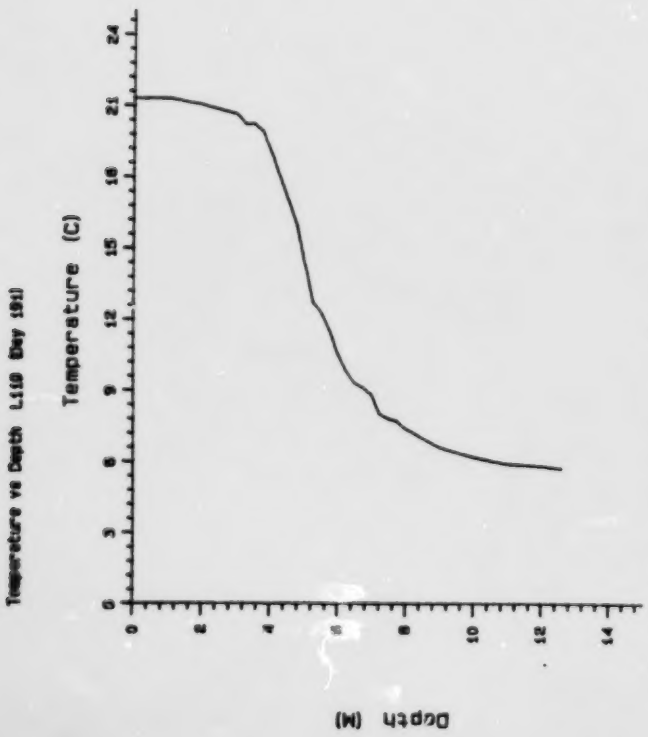

Temperature vs Depth L110 Day 163
Temperature (C)
Depth (M)

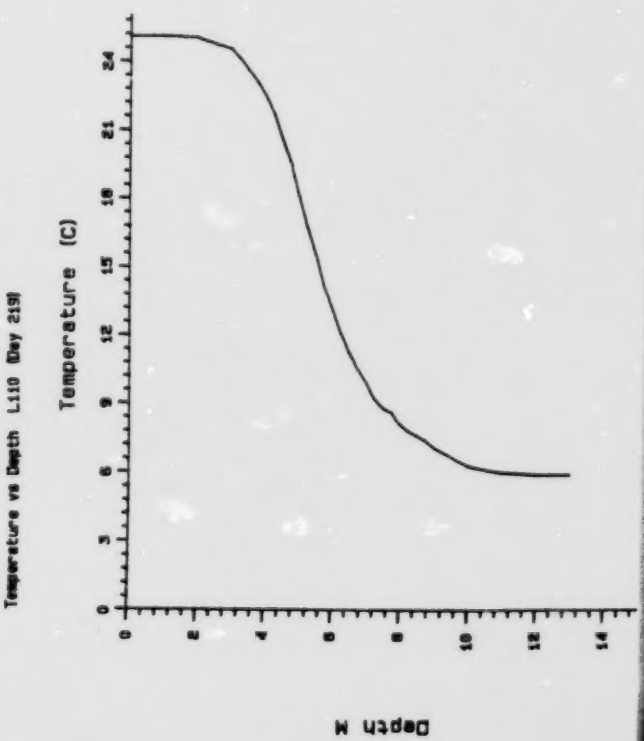

Temperature vs Depth L109 Day 275
Temperature (C)
Depth M

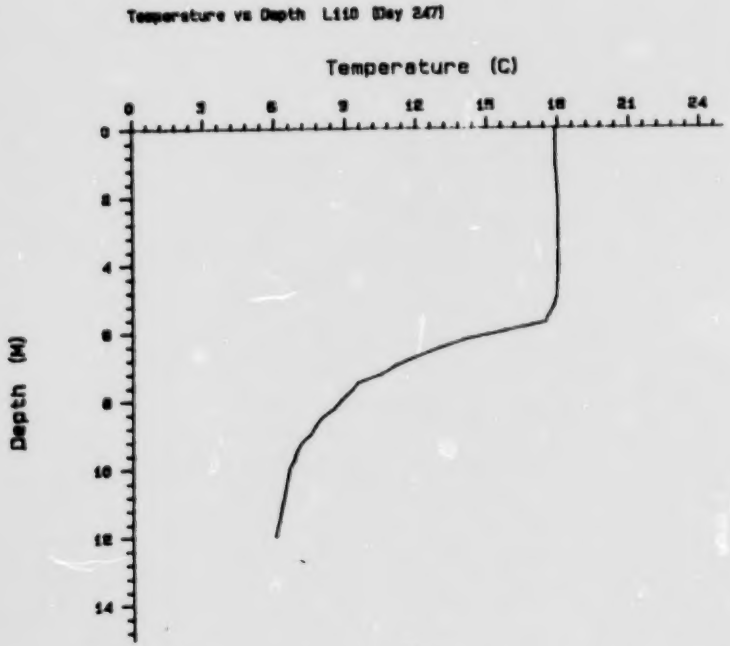

Temperature vs Depth Day 152
Temperature (C)
Depth (M)

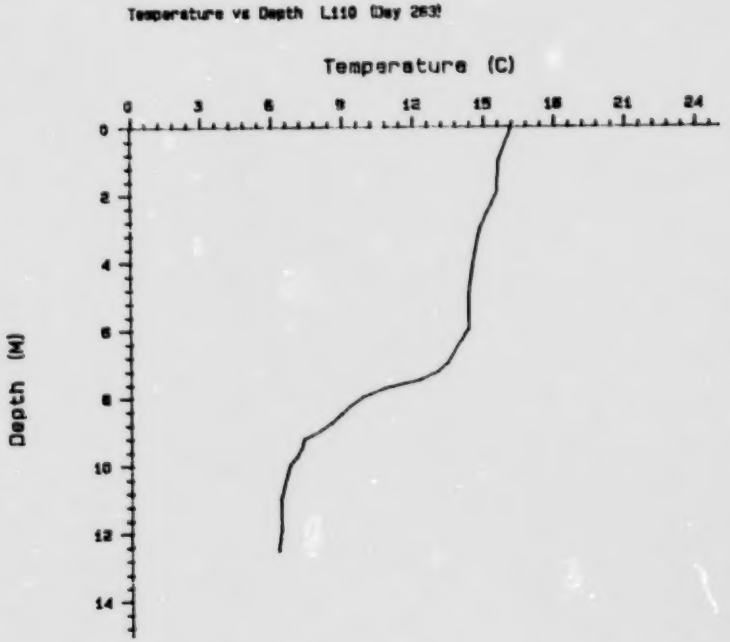

Temperature vs Depth L110 (Day 207)
Temperature (C)
Depth (M)

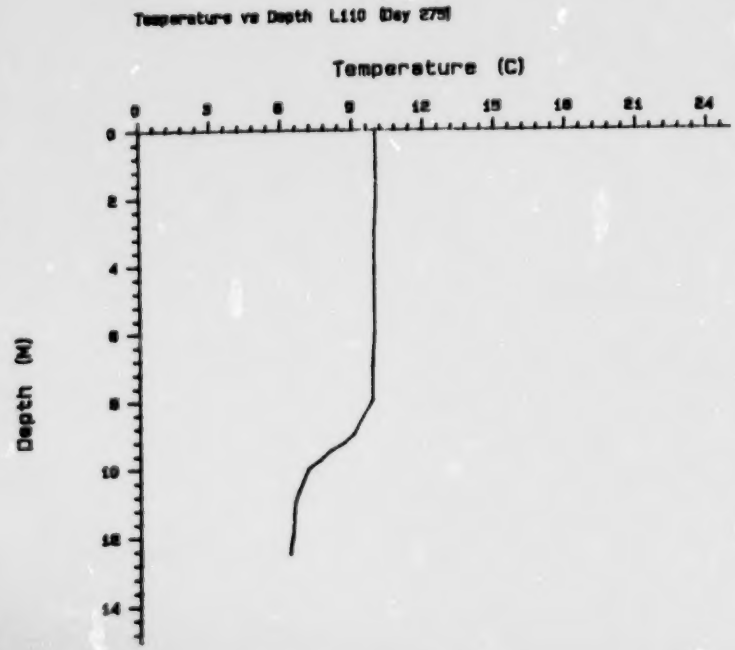

Temperature vs Depth L110 (Day 235)
Temperature (C)
Depth (M)

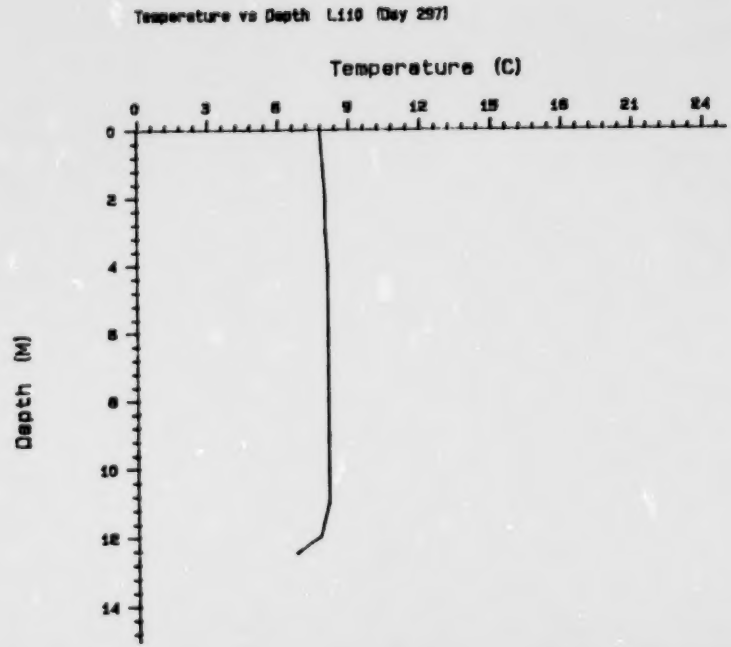

Temperature vs Depth L110 (Day 191)
Temperature (C)
Depth (M)

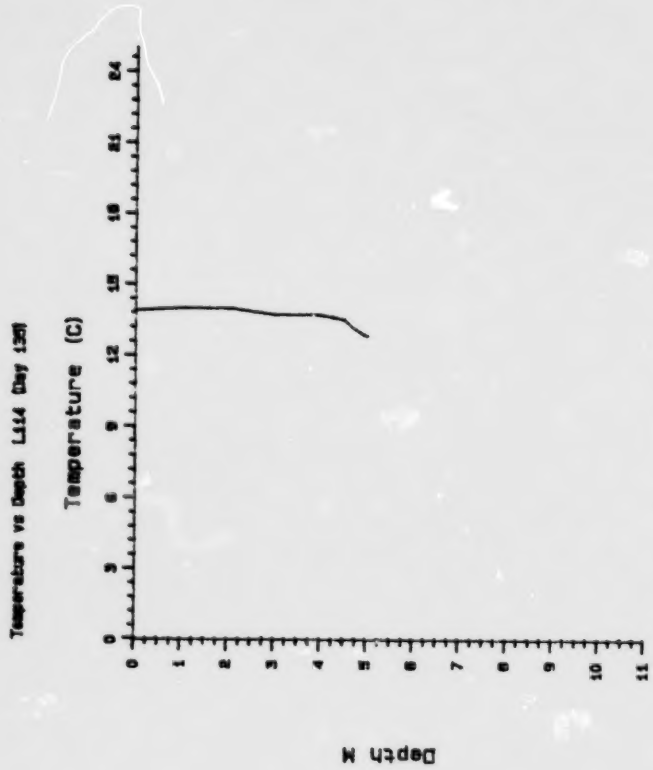

Temperature vs Depth L110 (Day 219)
Temperature (C)
Depth M

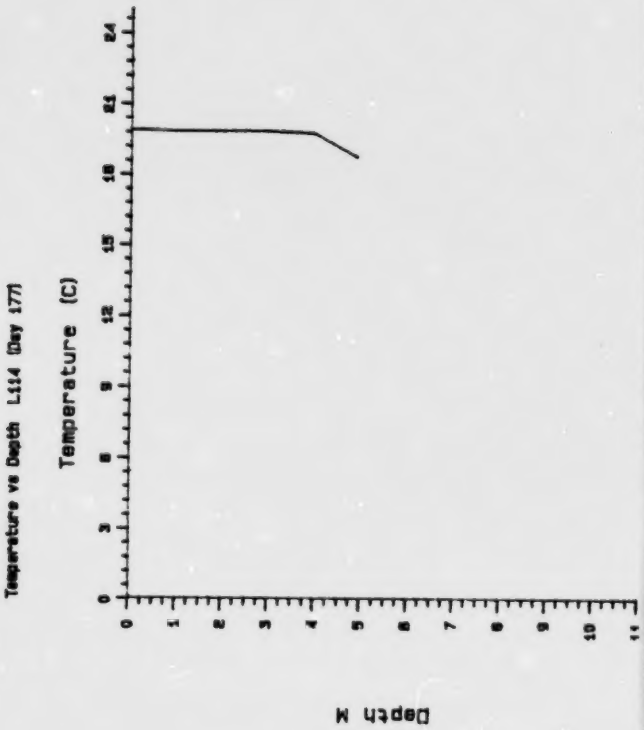

Temperature vs Depth L110 (Day 247)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

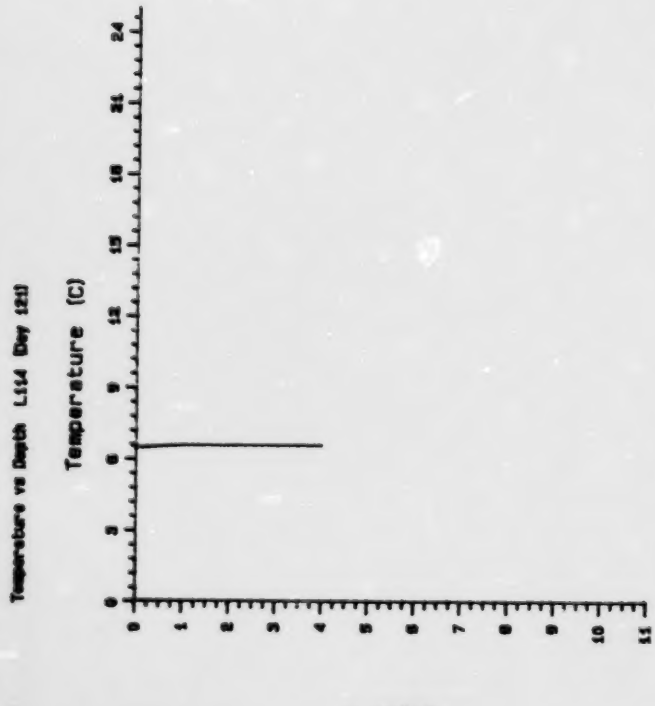

Temperature vs Depth L110 (Day 263)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

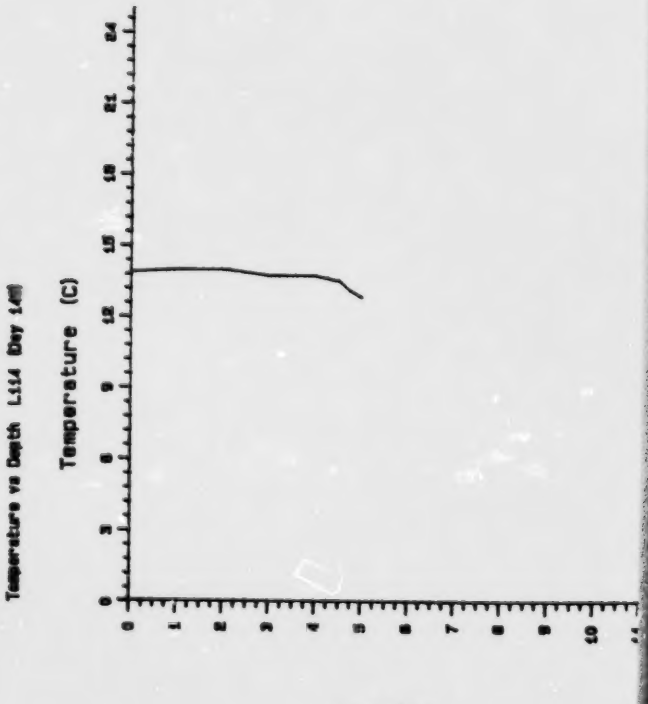

Temperature vs Depth L110 (Day 275)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

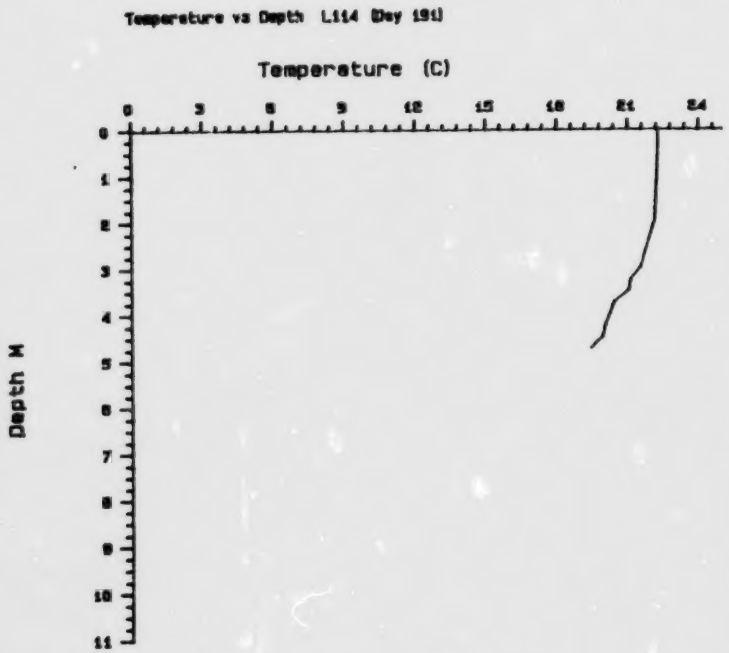

Temperature vs Depth L110 (Day 297)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

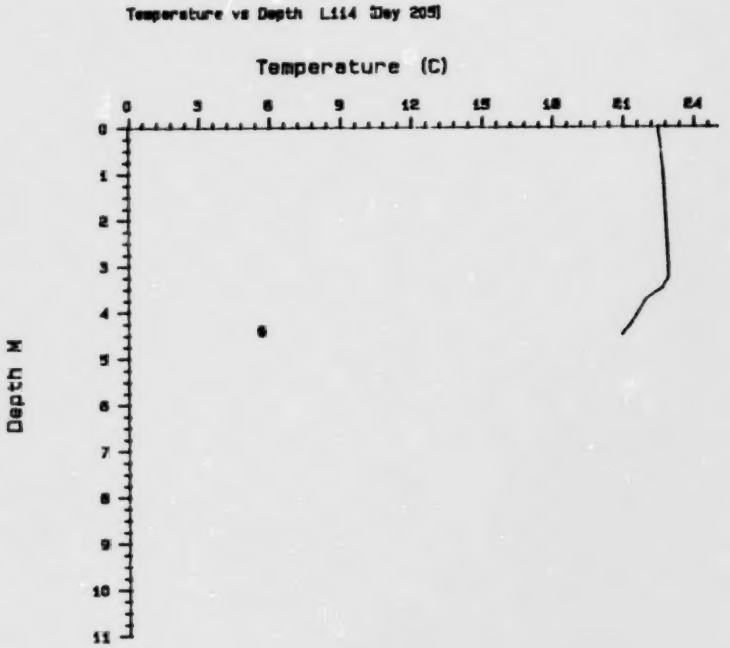

Temperature vs Depth L114 Day 135
Temperature (C)
Depth M

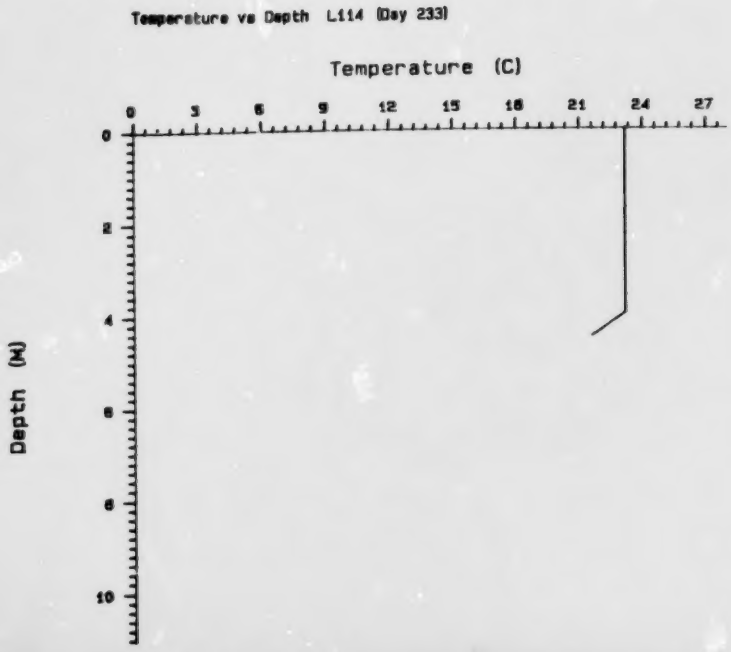

Temperature vs Depth L114 Day 177
Temperature (C)
Depth M

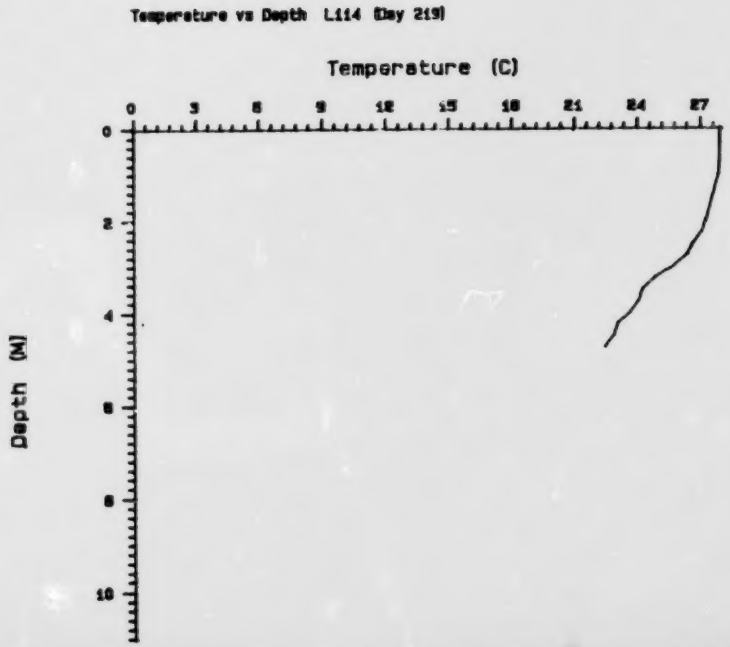

Temperature vs Depth L114 Day 121
Temperature (C)
Depth M

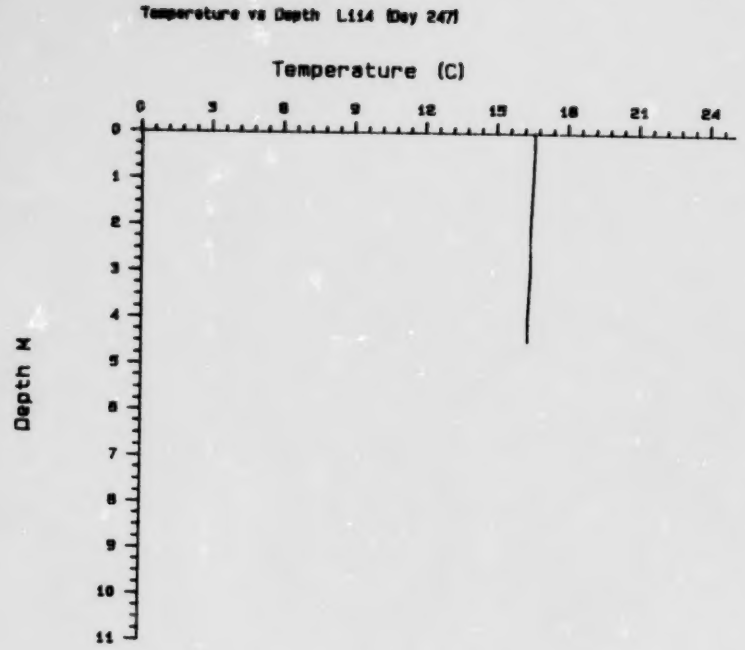

Temperature vs Depth L114 Day 149
Temperature (C)
Depth M

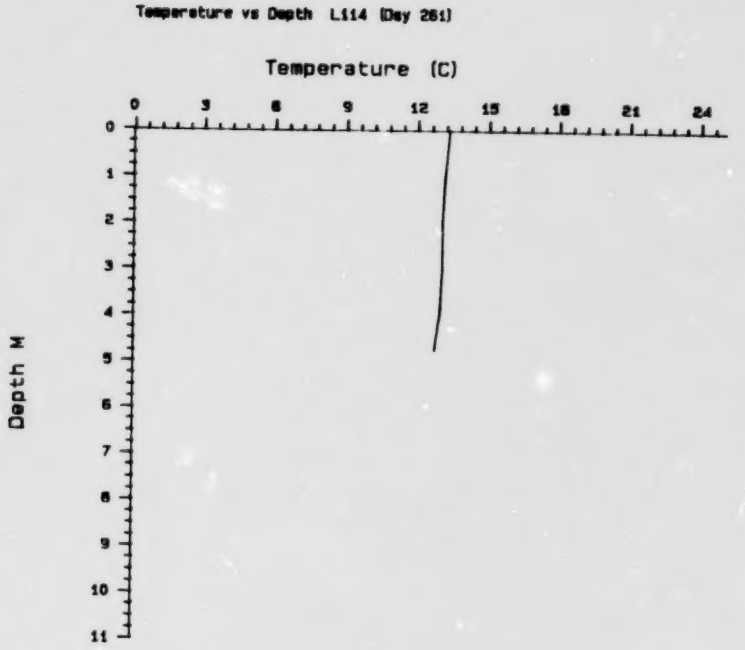

Temperature vs Depth L114 (Day 191)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 1 2 3 4 5 6 7 8 9 10 11
Depth M

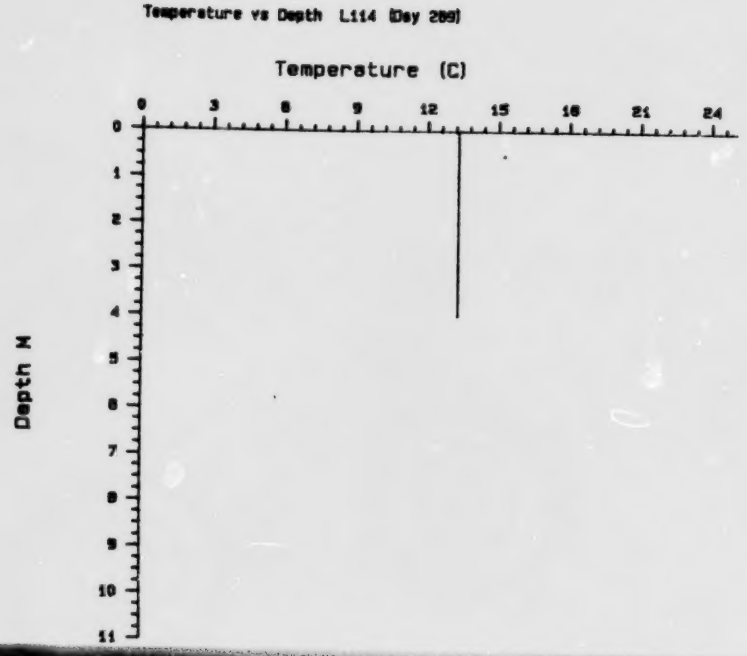

Temperature vs Depth L114 (Day 205)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 1 2 3 4 5 6 7 8 9 10 11
Depth M

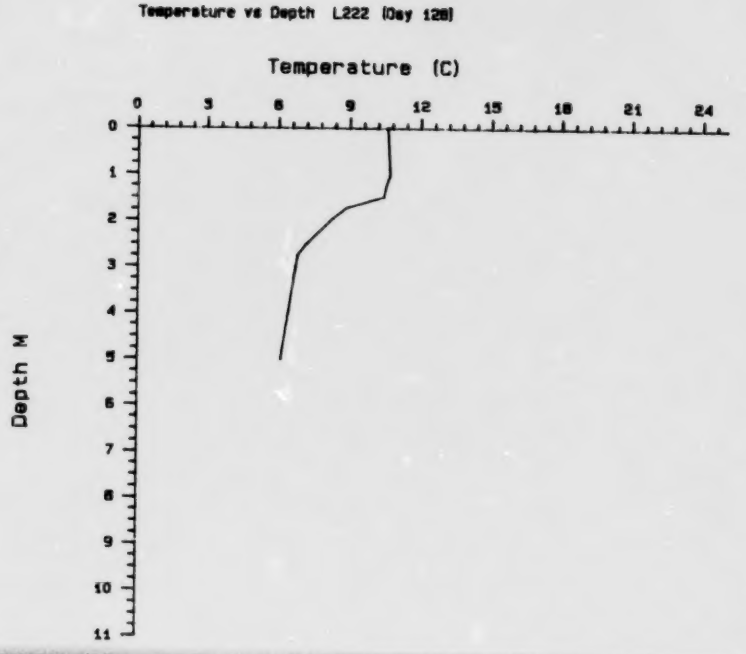

Temperature vs Depth L114 (Day 233)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
0 2 4 6 8 10
Depth (M)

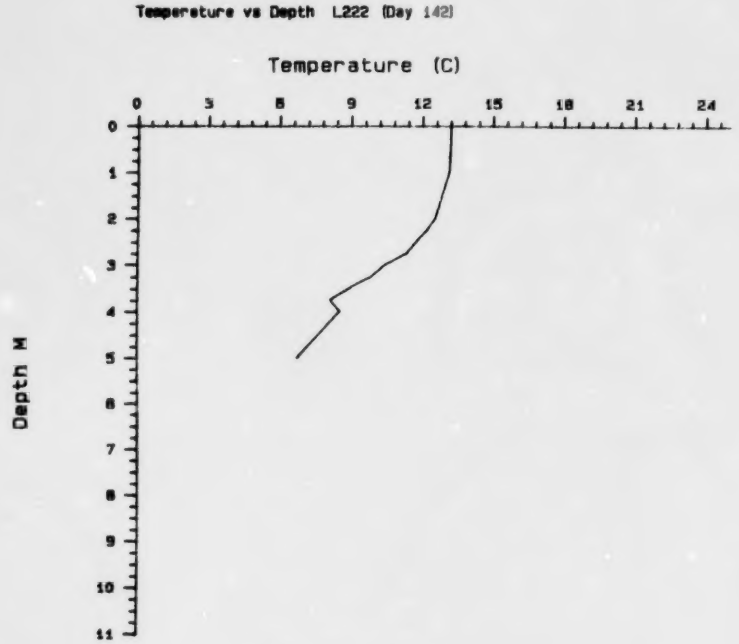

Temperature vs Depth L114 (Day 219)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
0 2 4 6 8 10
Depth (M)

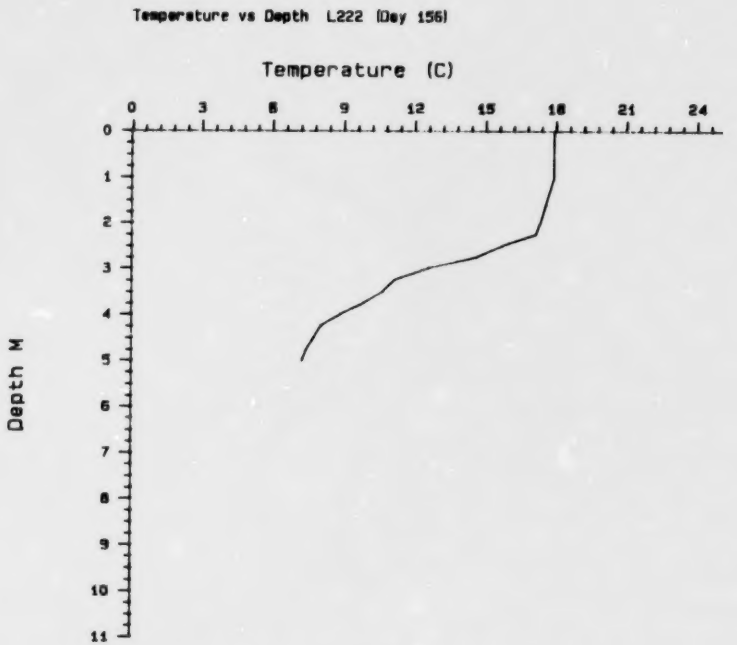

Temperature vs Depth L114 (Day 247)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

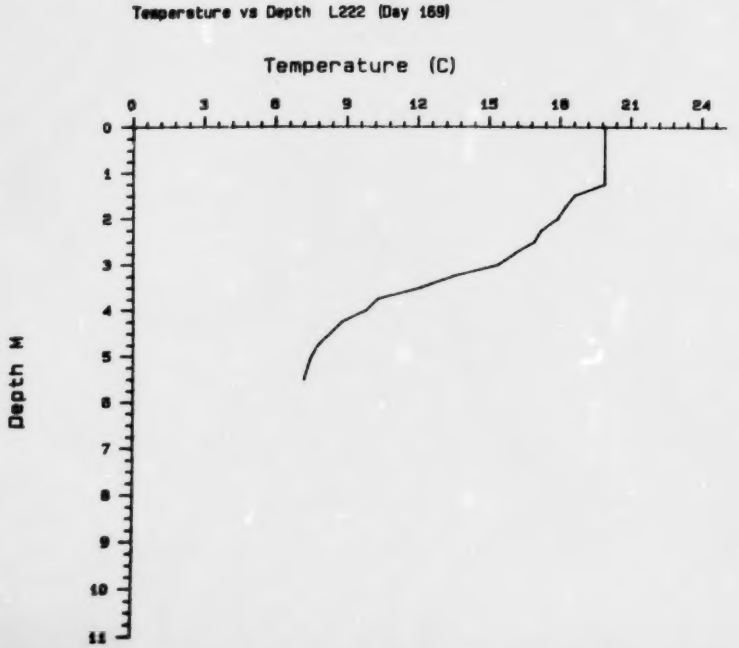

Temperature vs Depth L114 (Day 261)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

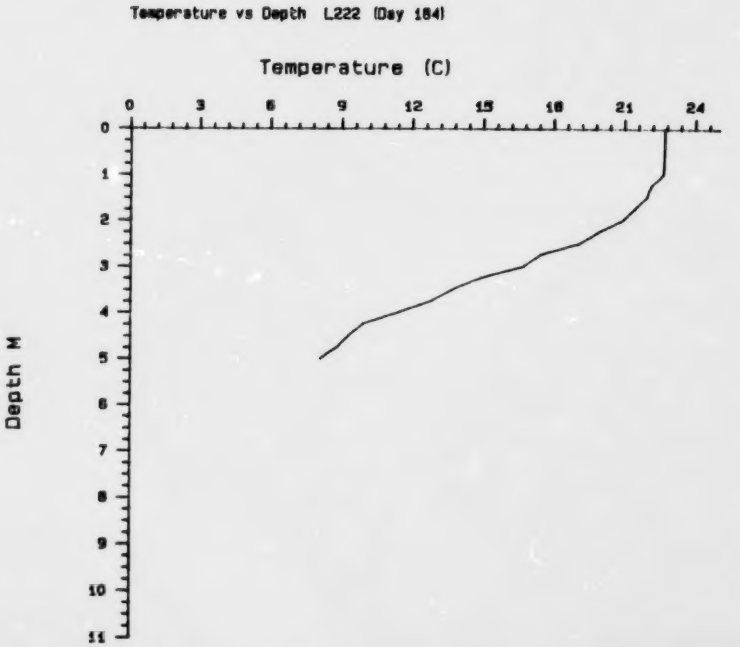

Temperature vs Depth L114 (Day 289)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11


Temperature vs Depth L222 (Day 128)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

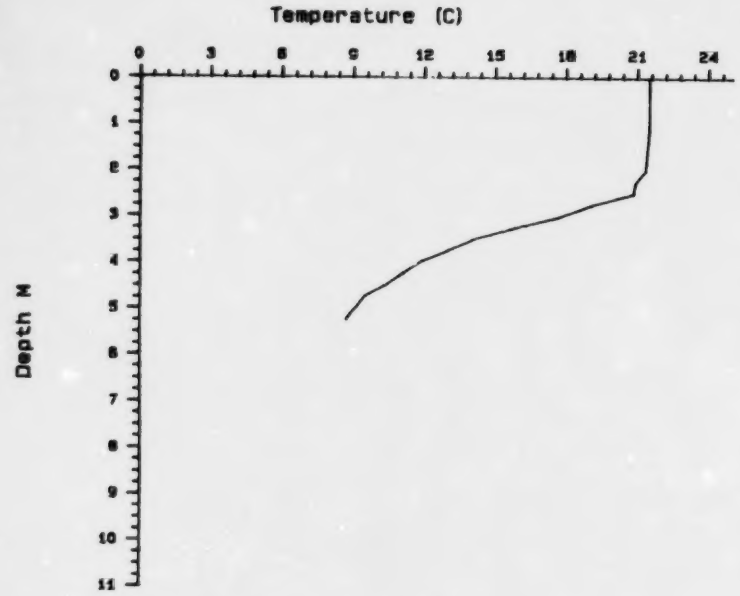

Temperature vs Depth L222 (Day 142)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11


Temperature vs Depth L222 (Day 156)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

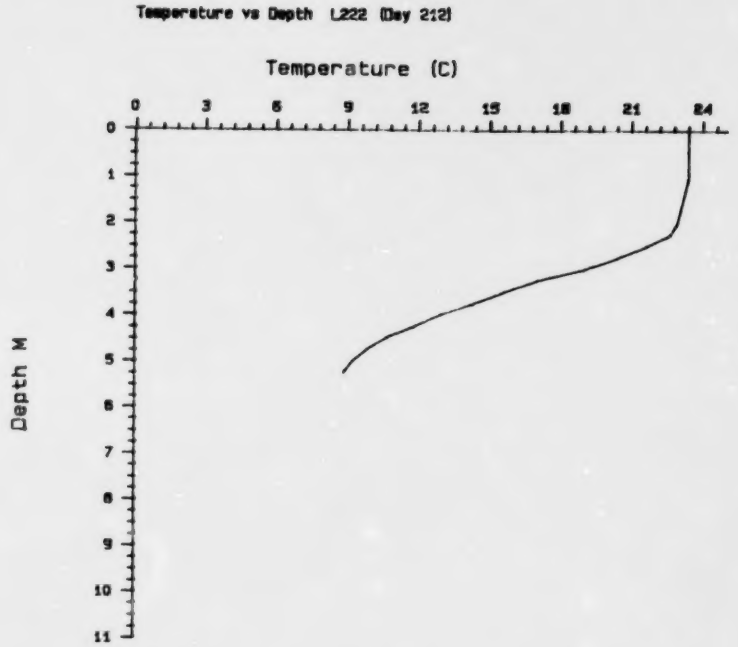

Temperature vs Depth L222 (Day 169)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11


Temperature vs Depth L222 (Day 184)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth M
0 1 2 3 4 5 6 7 8 9 10 11

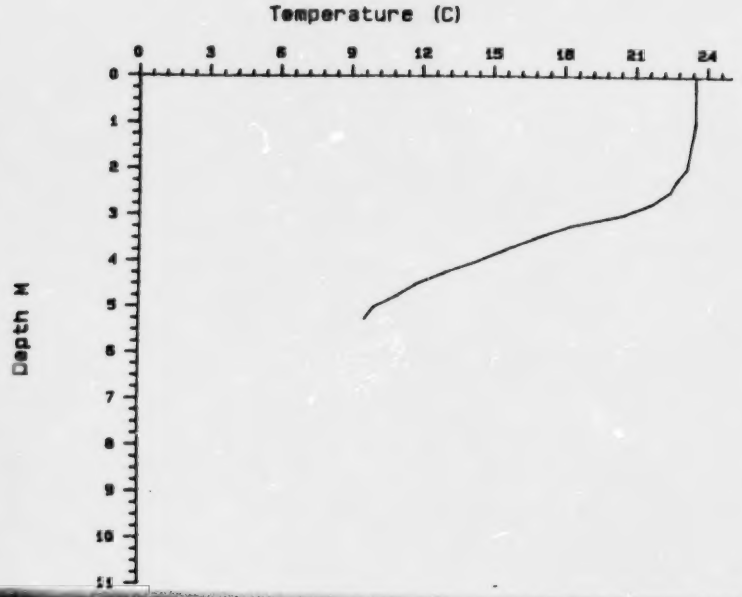
Temperature vs Depth L222 (Day 196)



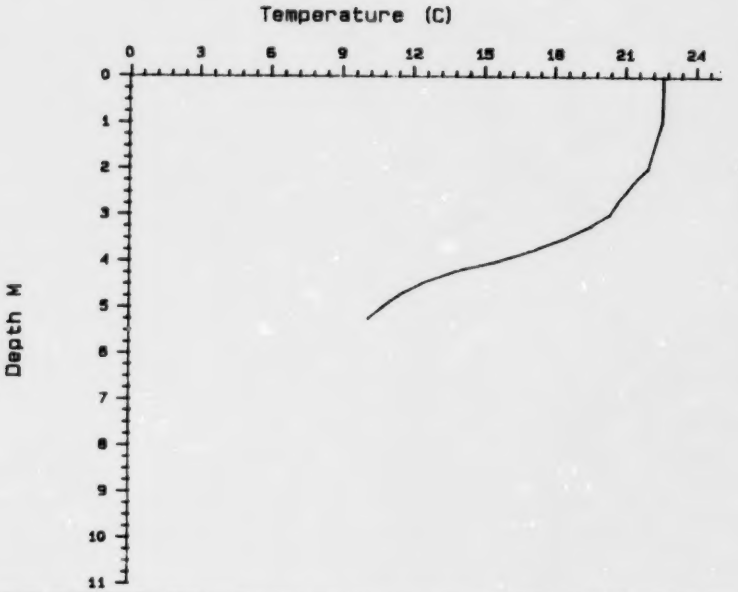
Temperature vs Depth L222 (Day 212)

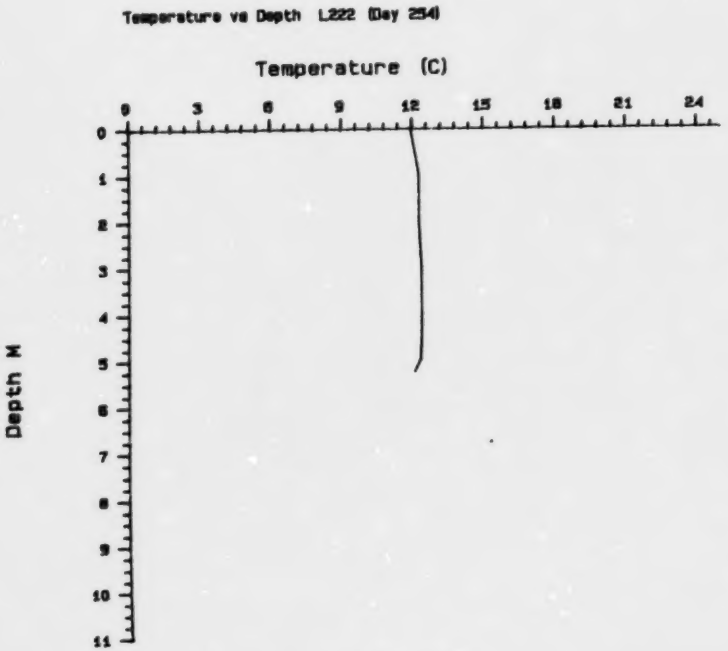


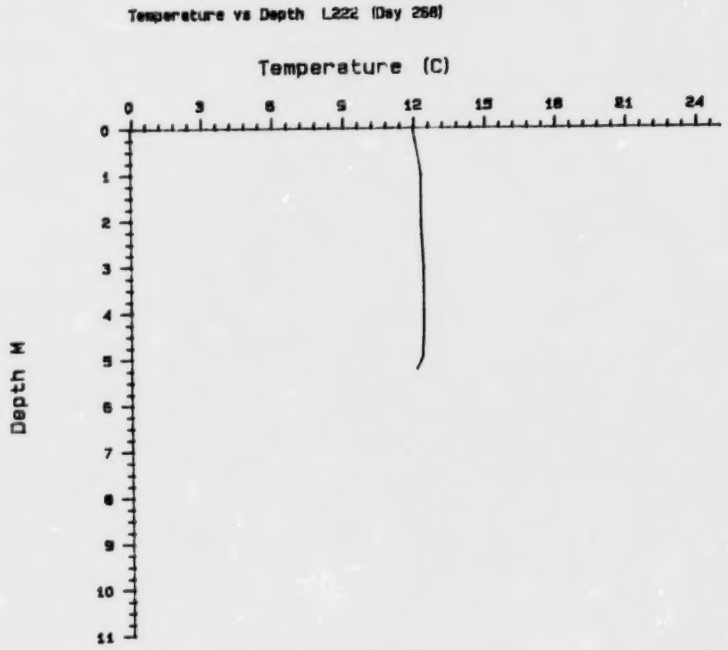
Temperature vs Depth L222 (Day 228)

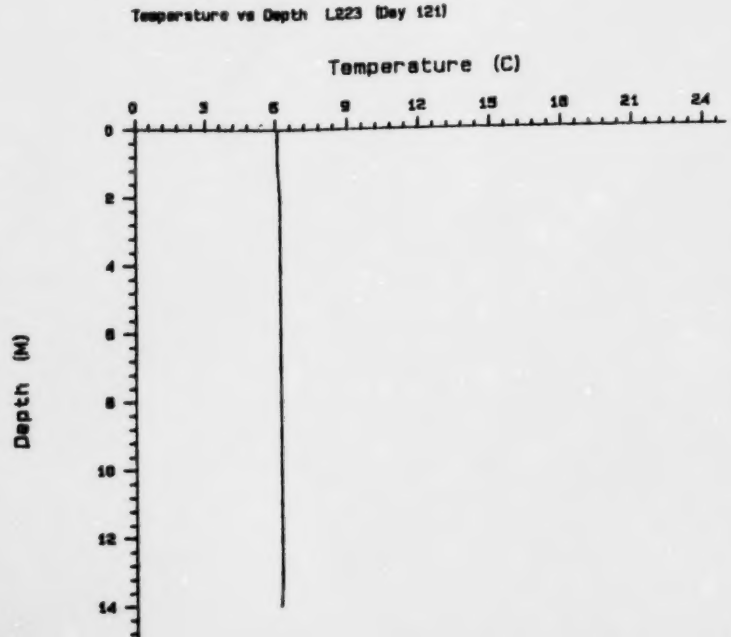


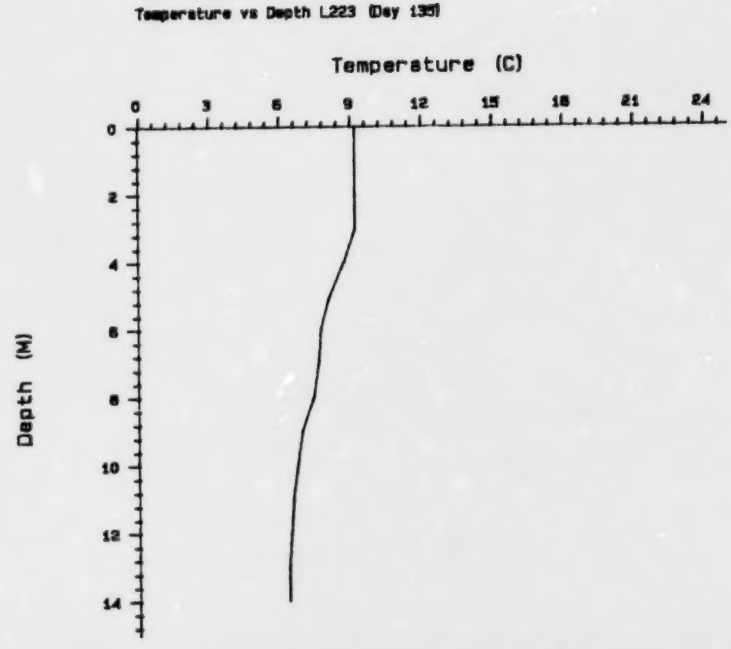
Temperature vs Depth L222 (Day 240)

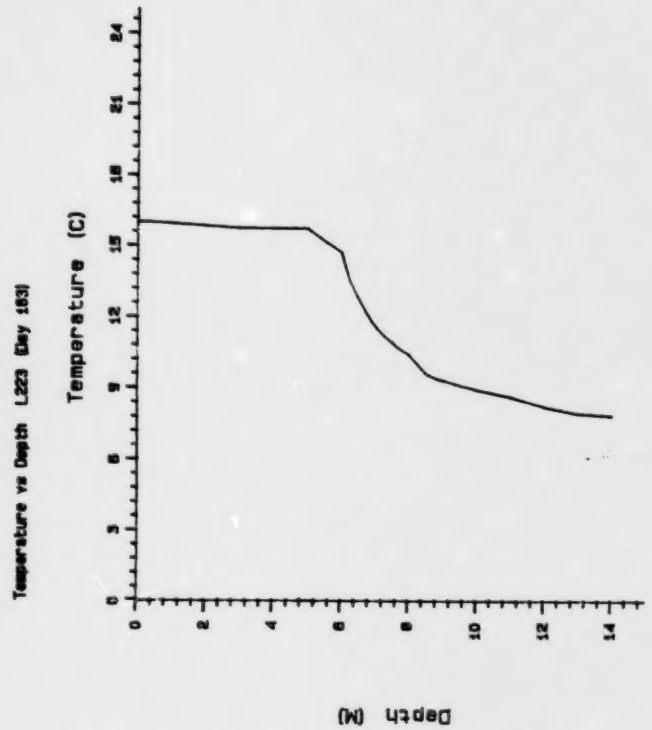


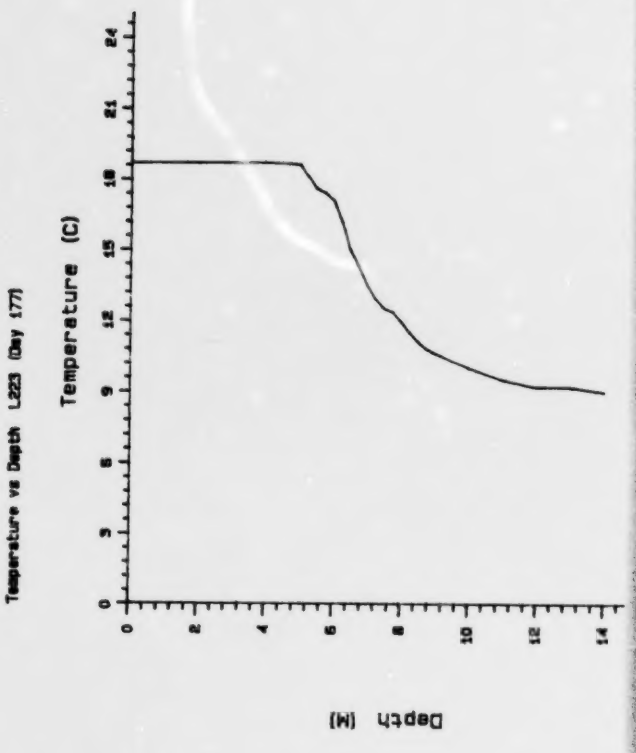

Temperature vs Depth L222 (Day 254)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 1 2 3 4 5 6 7 8 9 10 11
Depth M

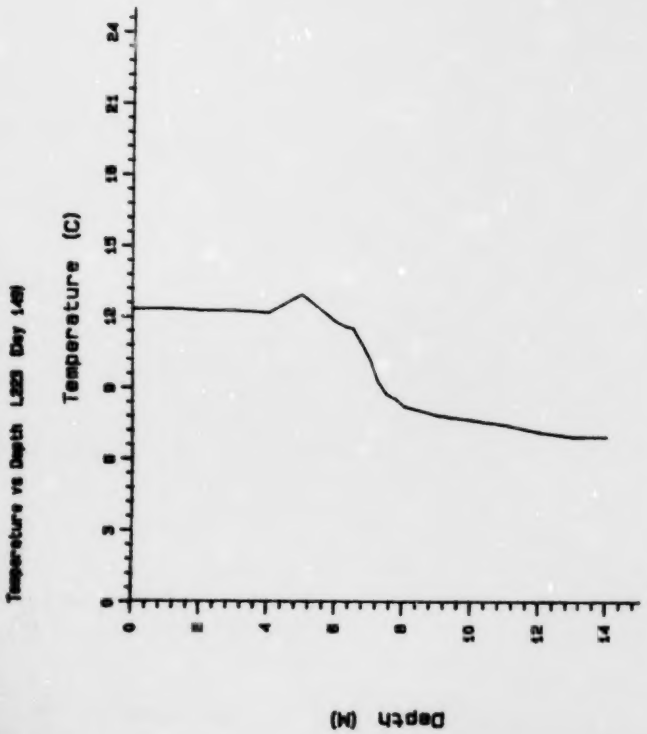

Temperature vs Depth L222 (Day 268)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 1 2 3 4 5 6 7 8 9 10 11
Depth M

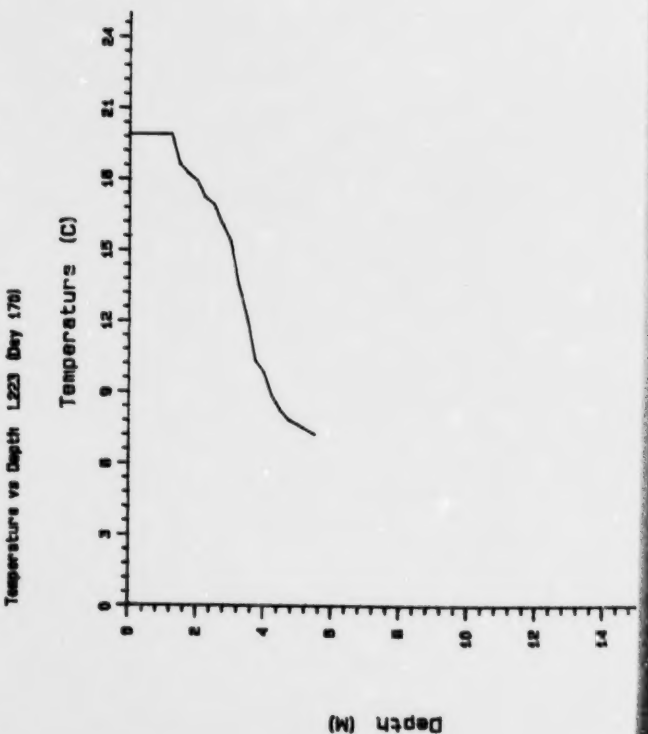

Temperature vs Depth L223 (Day 121)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

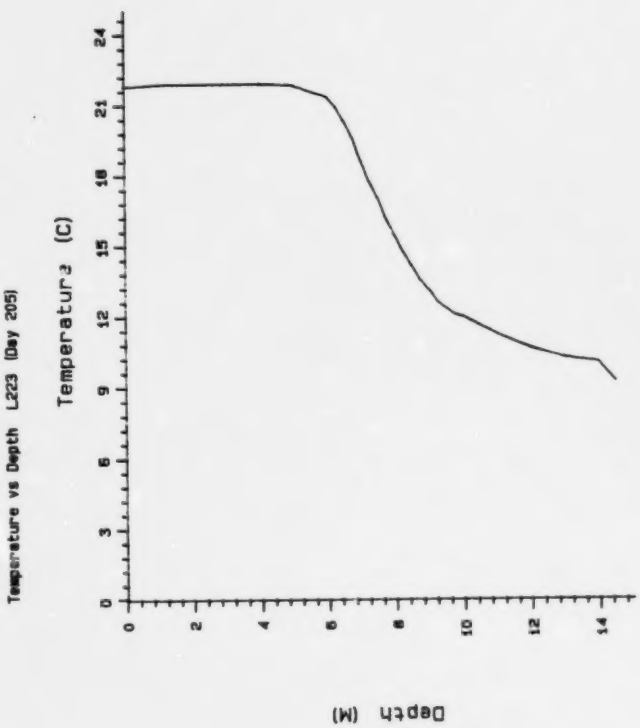

Temperature vs Depth L223 (Day 135)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

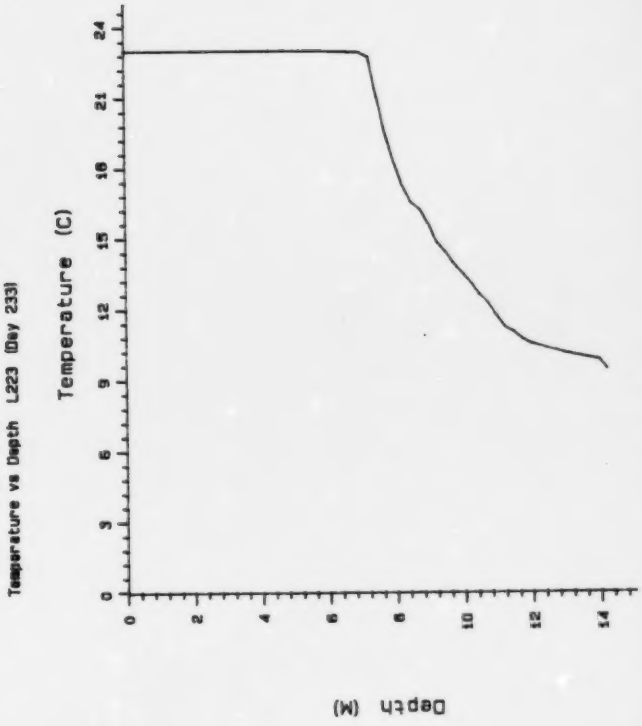

Temperature vs Depth L223 (Day 163)
Temperature (C)
Depth (M)

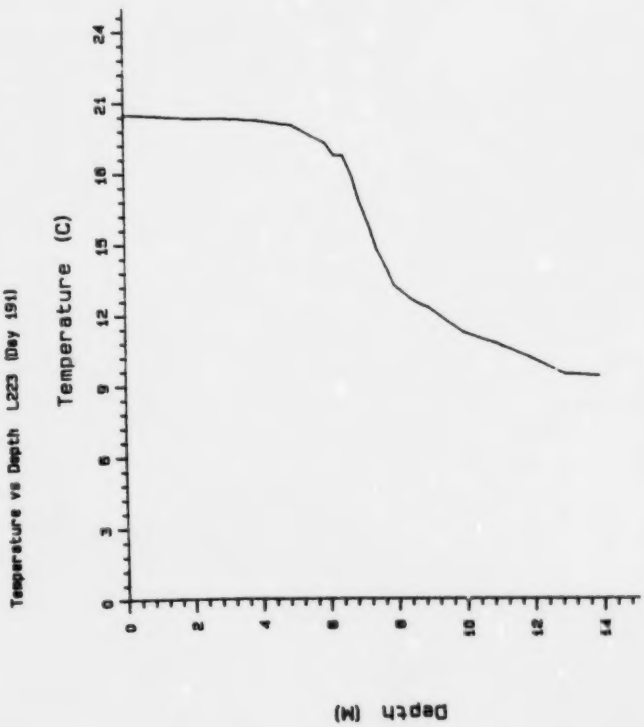

Temperature vs Depth L223 (Day 177)
Temperature (C)
Depth (M)

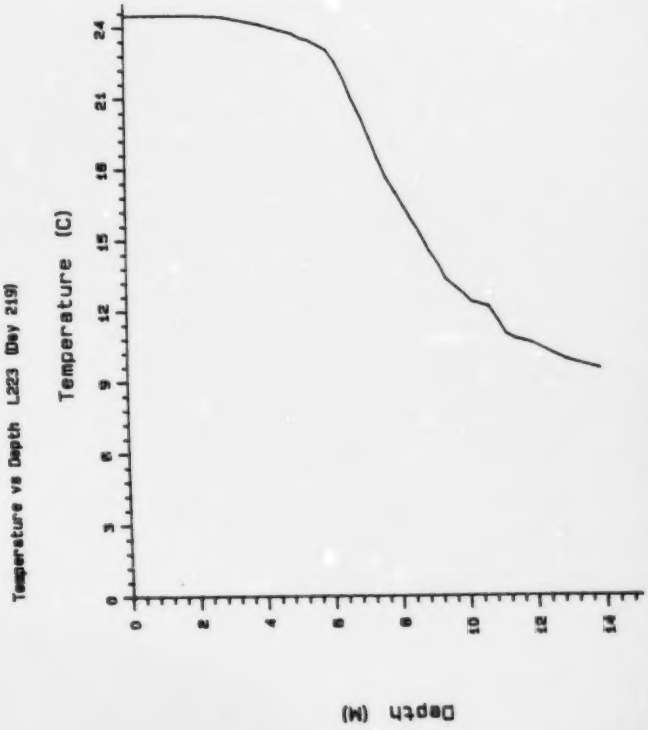

Temperature vs Depth L223 (Day 149)
Temperature (C)
Depth (M)

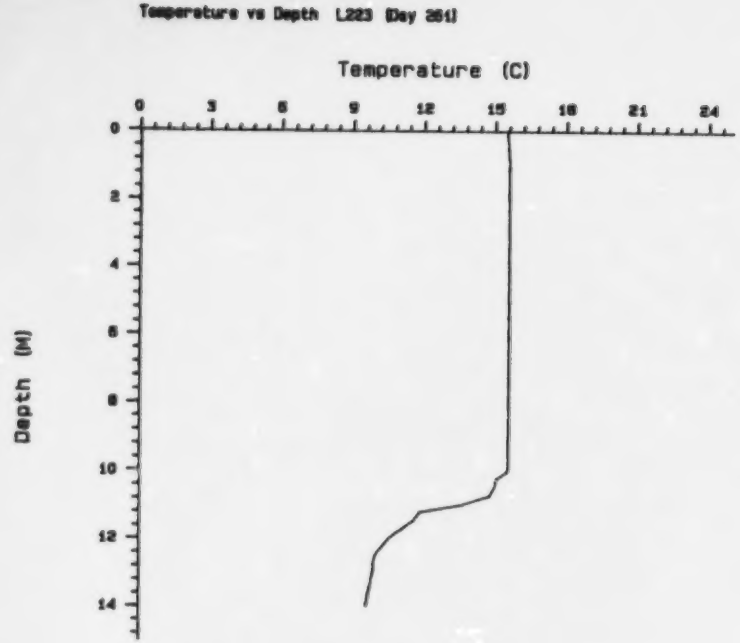

Temperature vs Depth L223 (Day 170)
Temperature (C)
Depth (M)

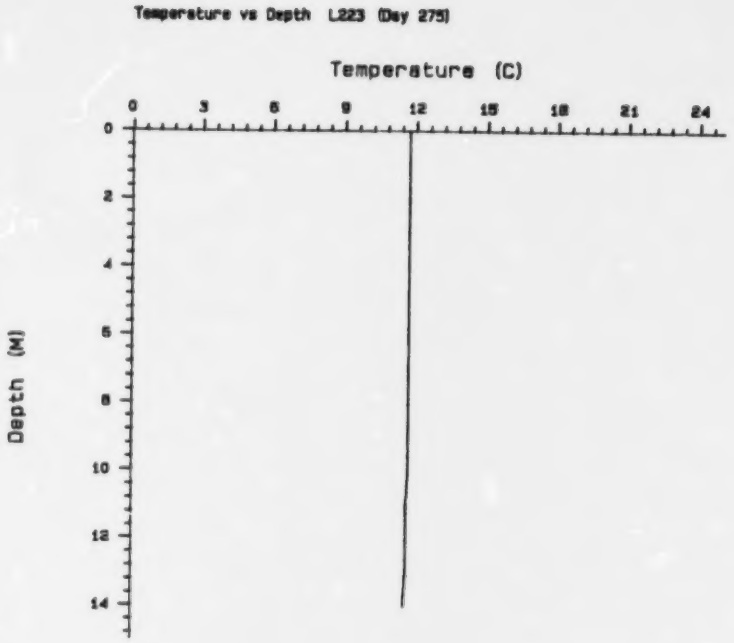

Temperature vs Depth L223 (Day 205)
Temperature (C)
Depth (M)

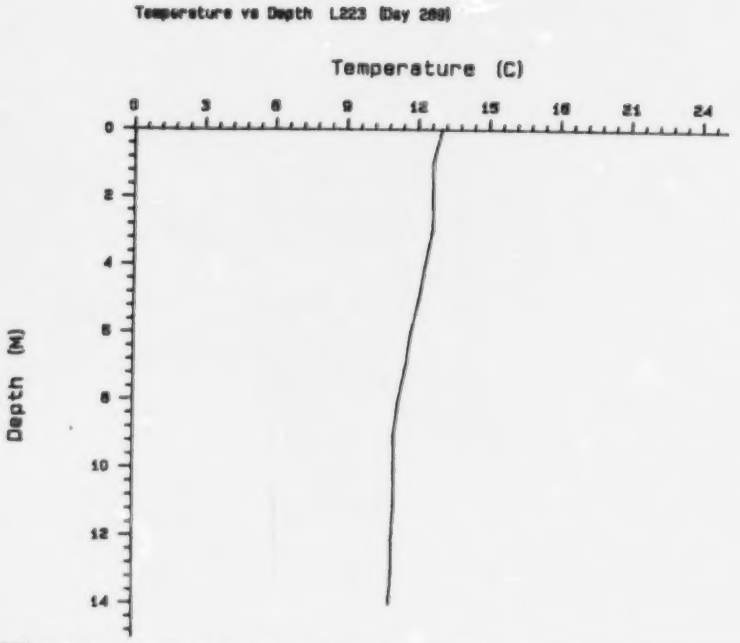

Temperature vs Depth L223 (Day 233)
Temperature (C)
Depth (M)

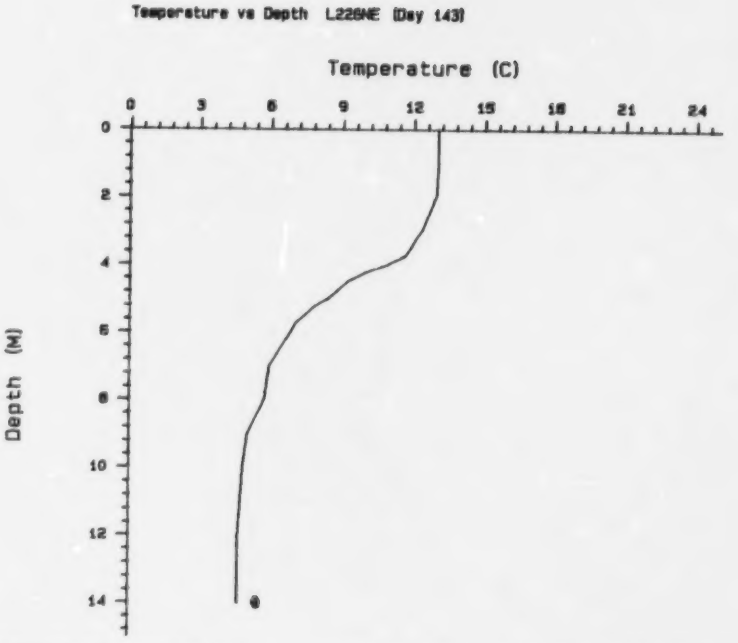

Temperature vs Depth L223 (Day 191)
Temperature (C)
Depth (M)

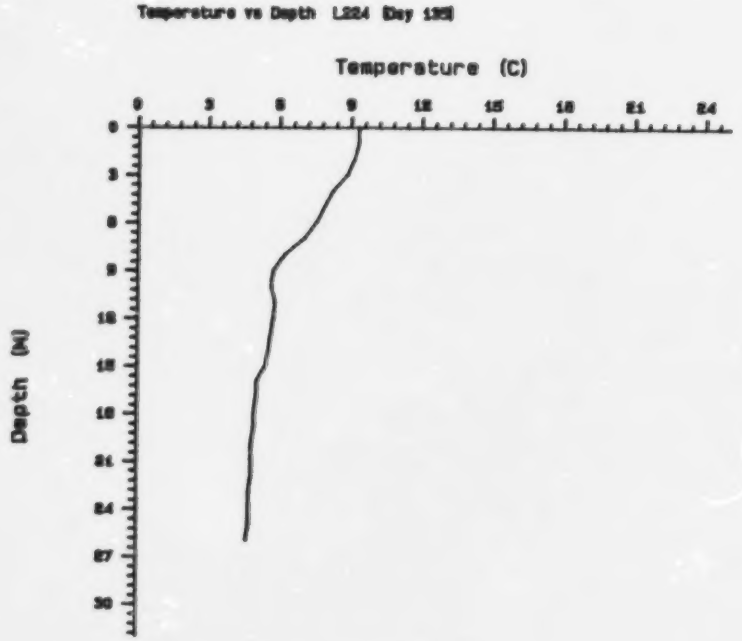

Temperature vs Depth L223 (Day 219)
Temperature (C)
Depth (M)

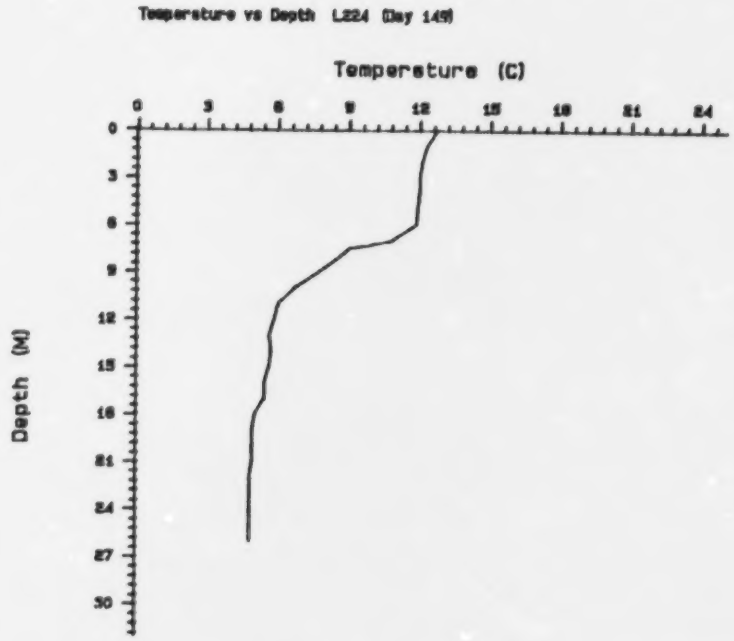

Temperature vs Depth L223 (Day 261)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

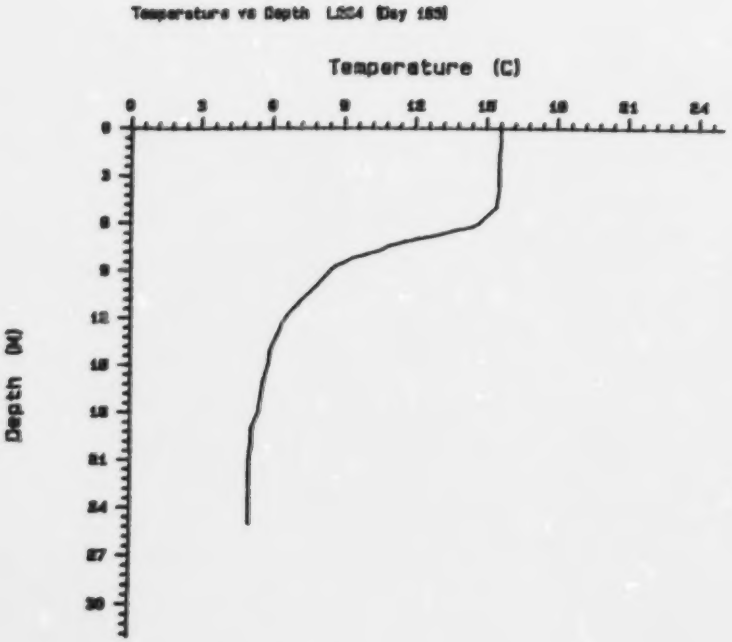

Temperature vs Depth L223 (Day 275)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

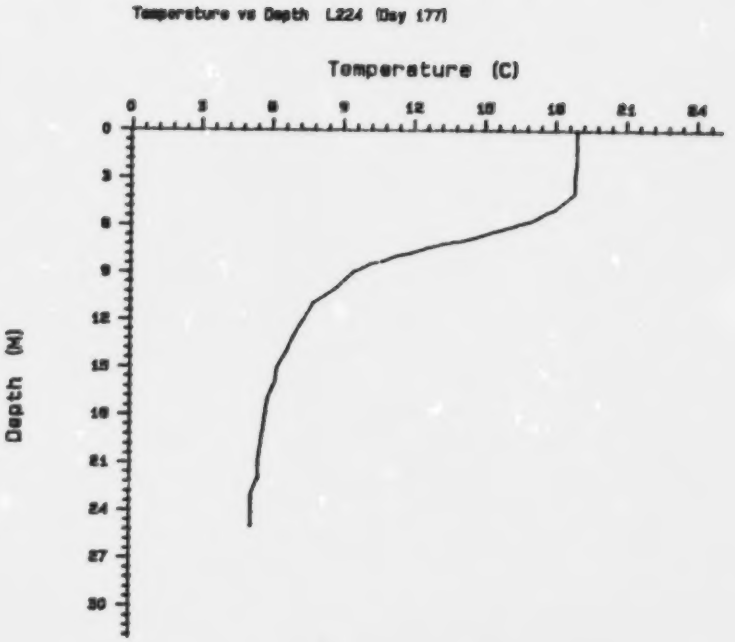

Temperature vs Depth L223 (Day 289)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

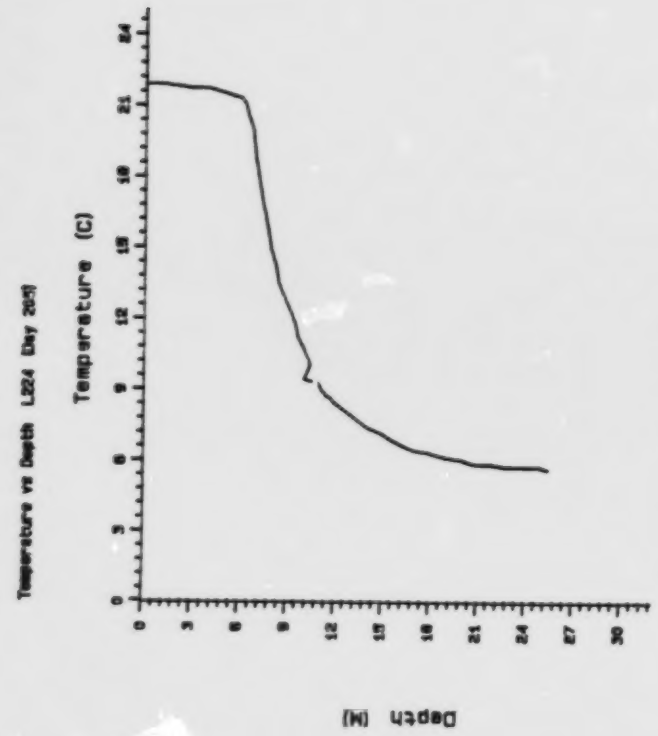

Temperature vs Depth L228NE (Day 143)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

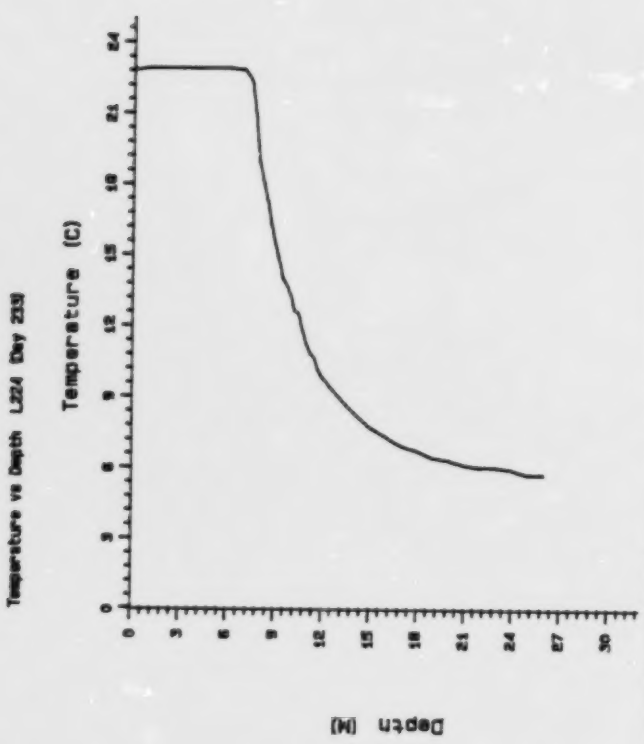

Temperature vs Depth L224 (Day 135)
Temperature (C)
Depth (M)

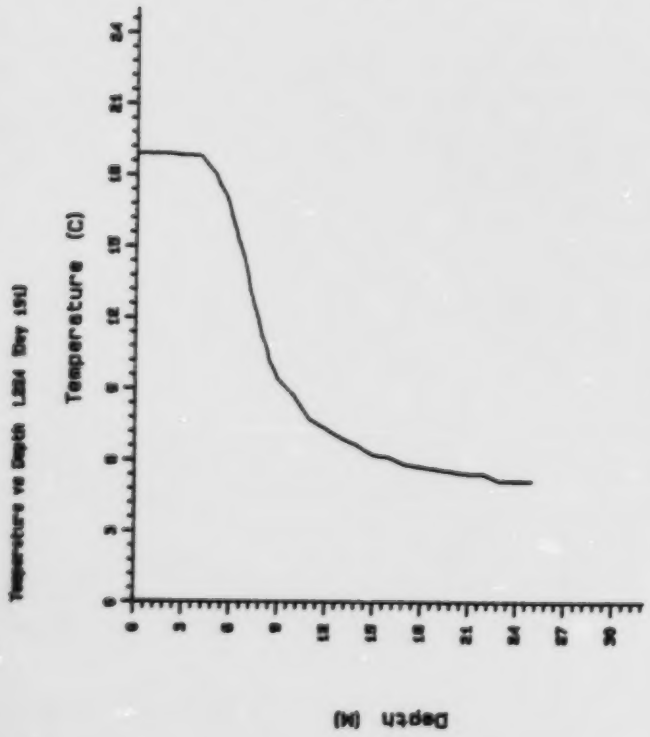

Temperature vs Depth L224 (Day 149)
Temperature (C)
Depth (M)

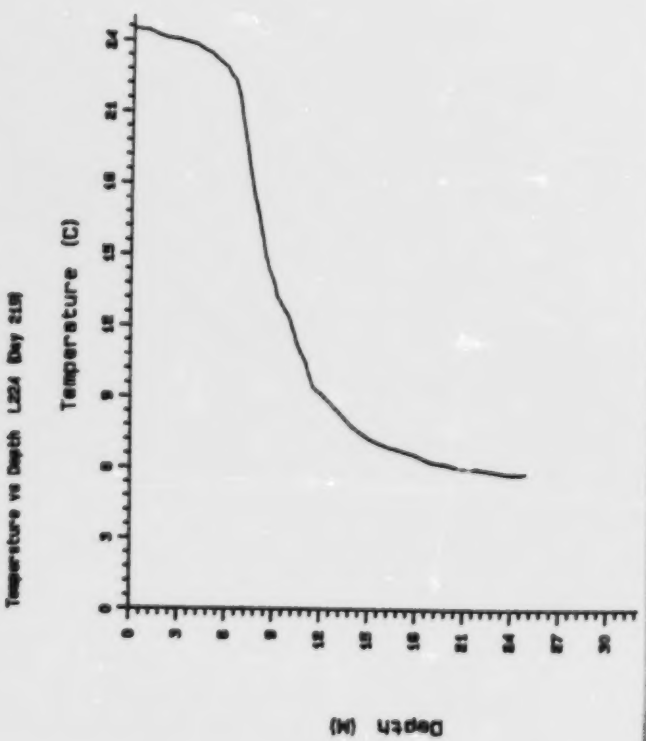

Temperature vs Depth L224 (Day 163)
Temperature (C)
Depth (M)

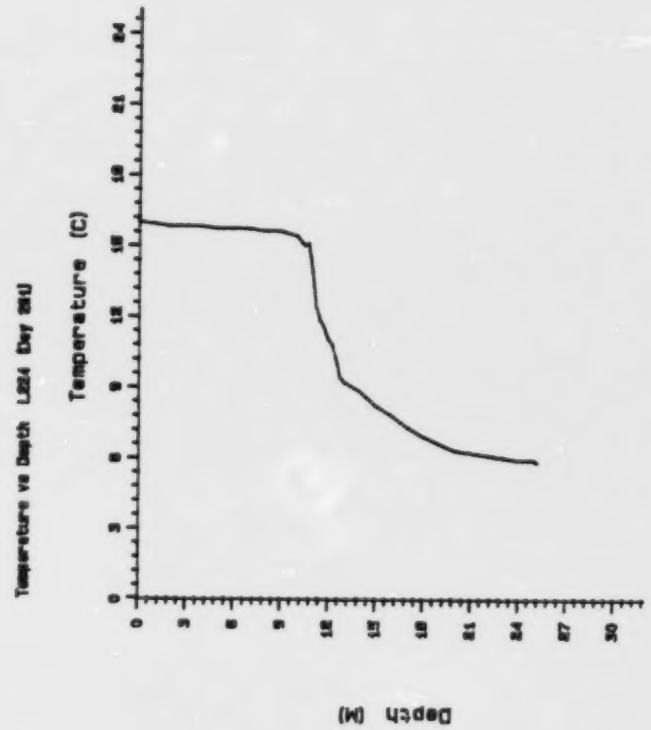

Temperature vs Depth L224 (Day 177)
Temperature (C)
Depth (M)

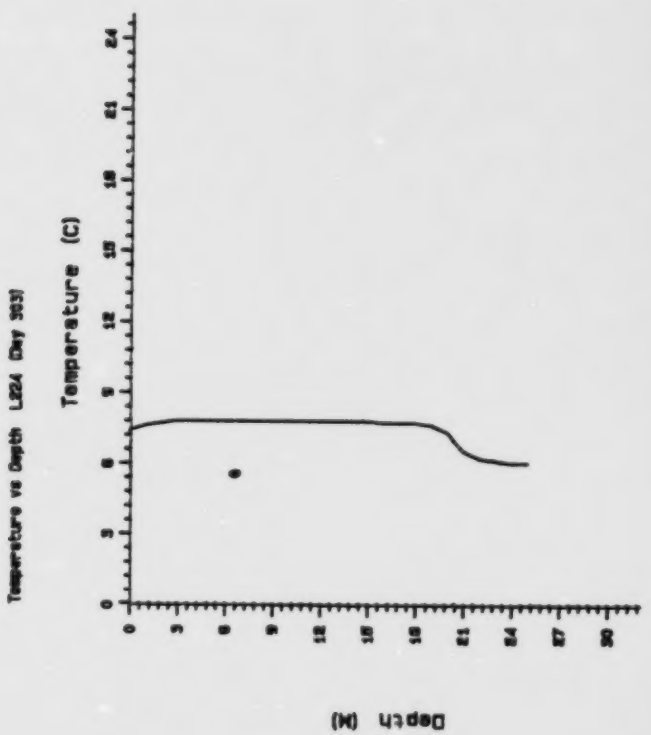

Temperature vs Depth L224 Day 205
Temperature (C)
Depth (M)

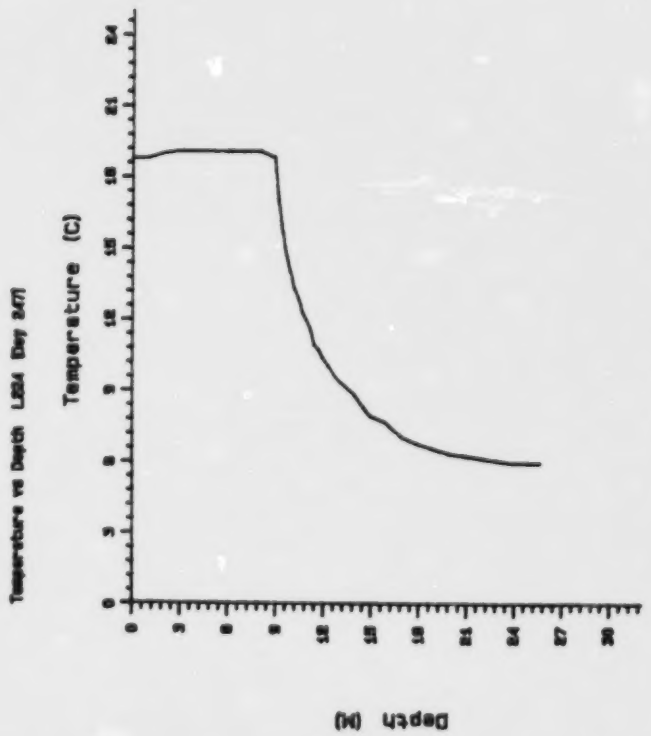

Temperature vs Depth L224 Day 233
Temperature (C)
Depth (M)

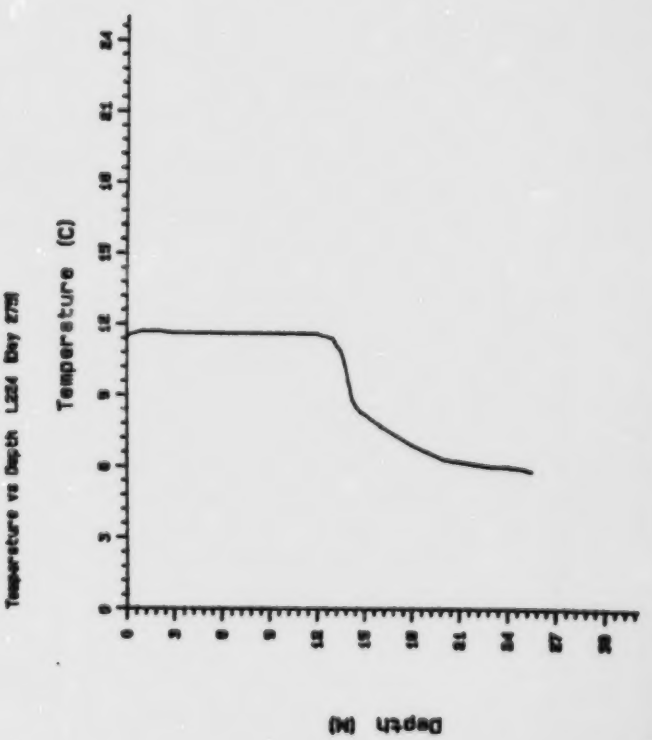

Temperature vs Depth L224 Day 191
Temperature (C)
Depth (M)

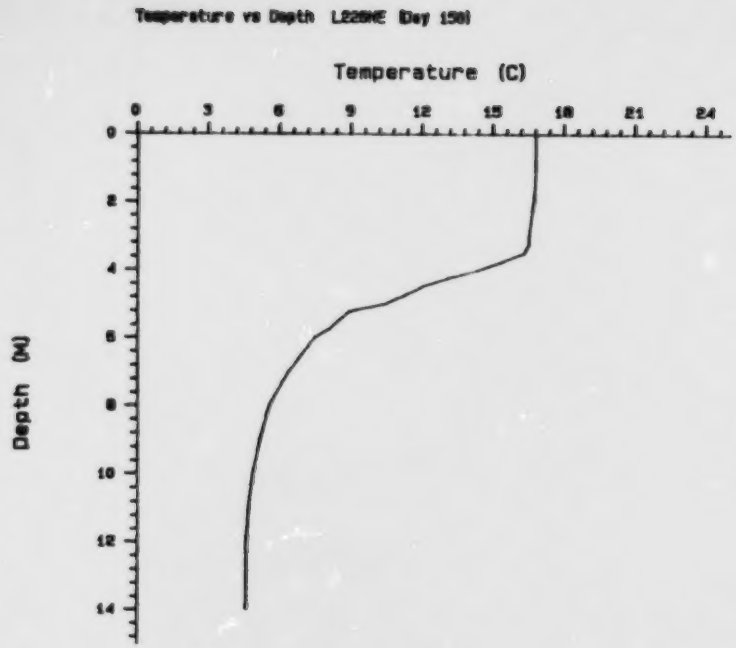

Temperature vs Depth L224 Day 218
Temperature (C)
Depth (M)

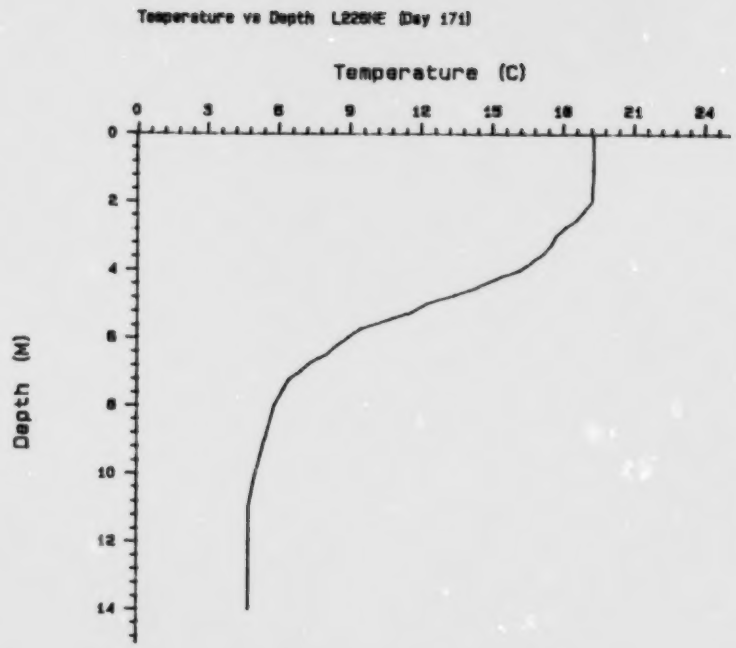

Temperature vs Depth L224 Day 351
Temperature (C)
Depth (M)

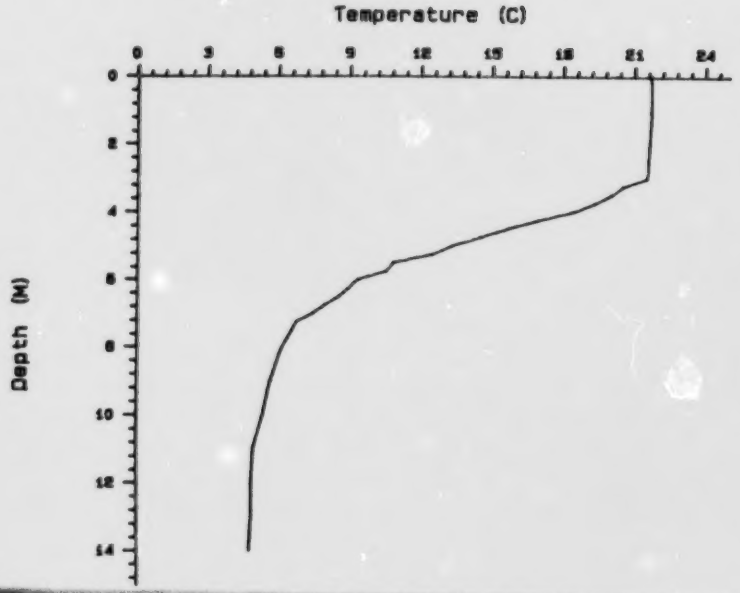

Temperature vs Depth L224 Day 303
Temperature (C)
Depth (M)

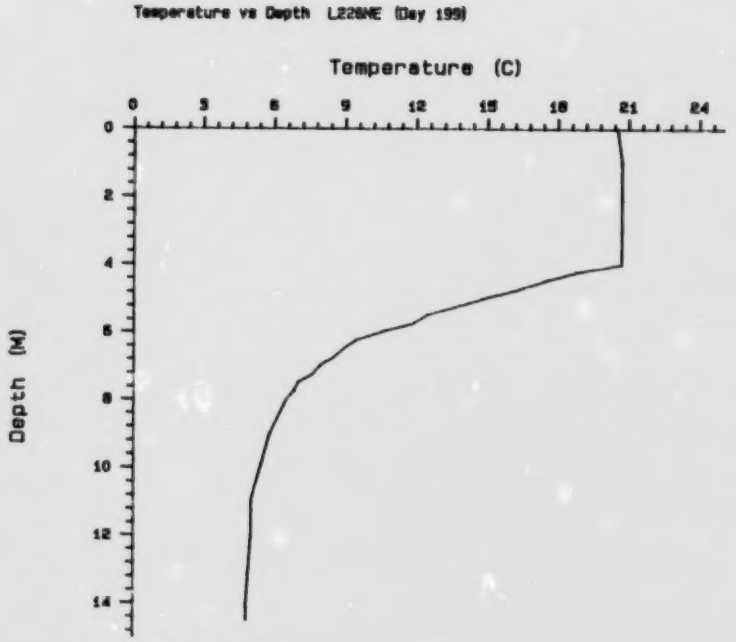

Temperature vs Depth L224 Day 247
Temperature (C)
Depth (M)

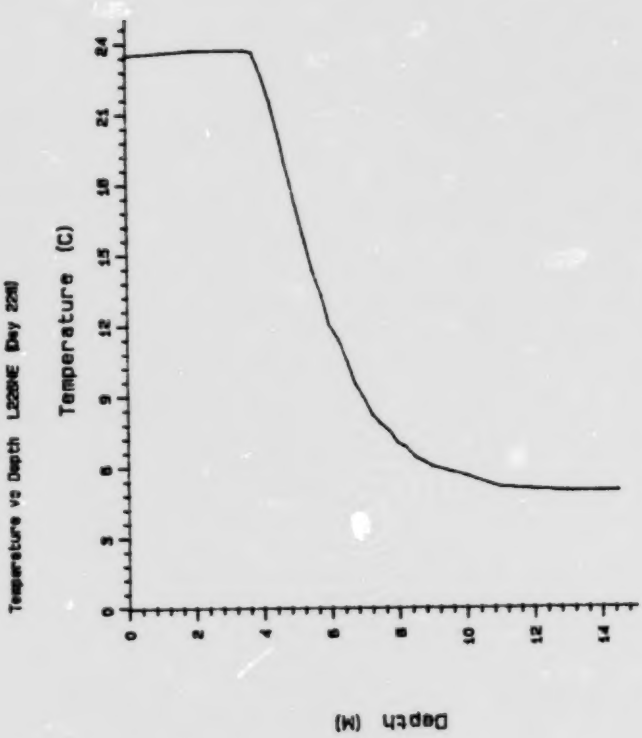

Temperature vs Depth L224 Day 275
Temperature (C)
Depth (M)

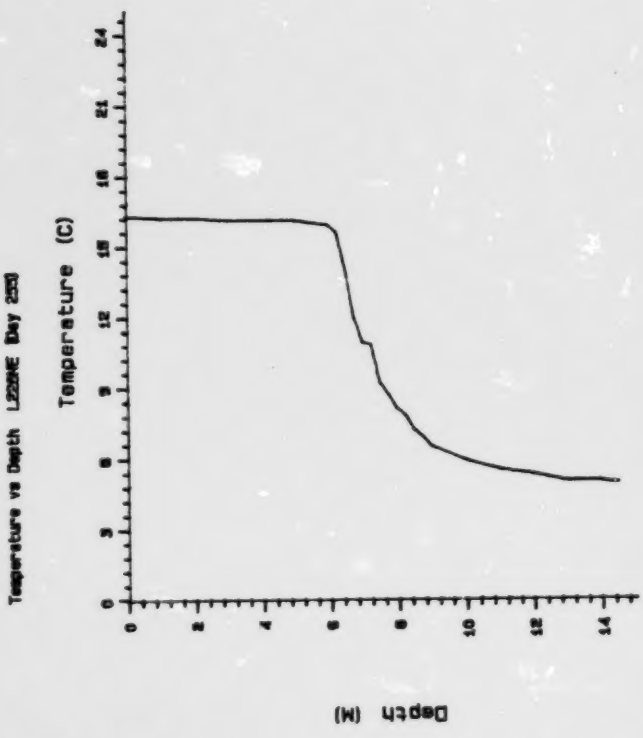

Temperature vs Depth L228NE (Day 150)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

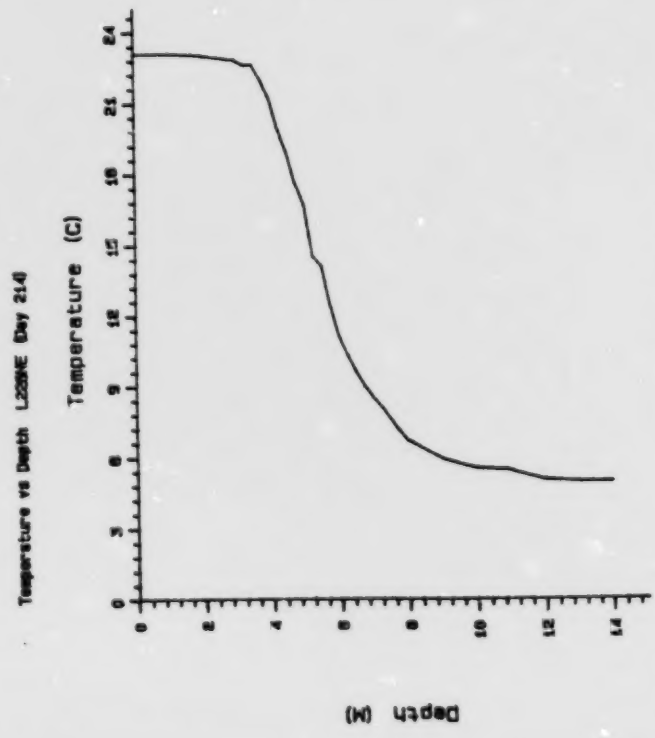

Temperature vs Depth L228NE (Day 171)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

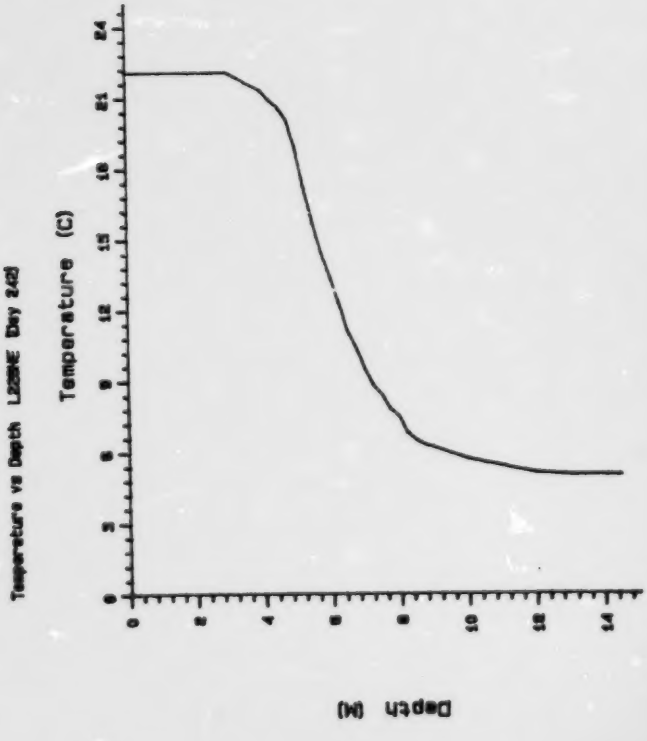

Temperature vs Depth L228NE (Day 186)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

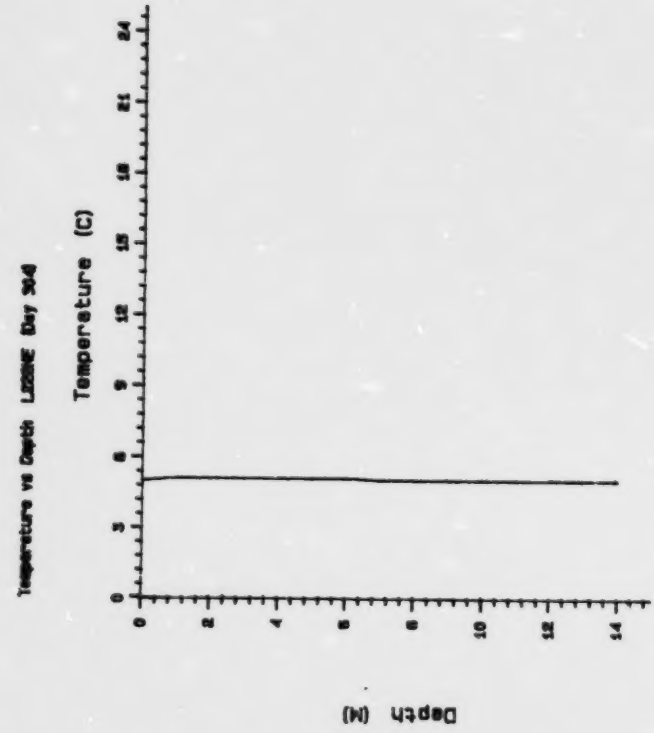

Temperature vs Depth L228NE (Day 199)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14

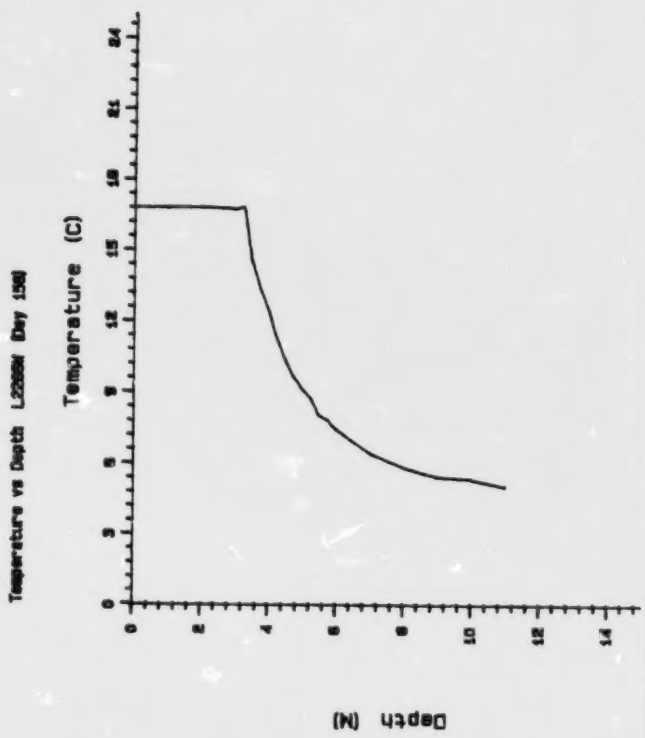

Temperature vs Depth L226NE Day 228
Temperature (C)
Depth (M)

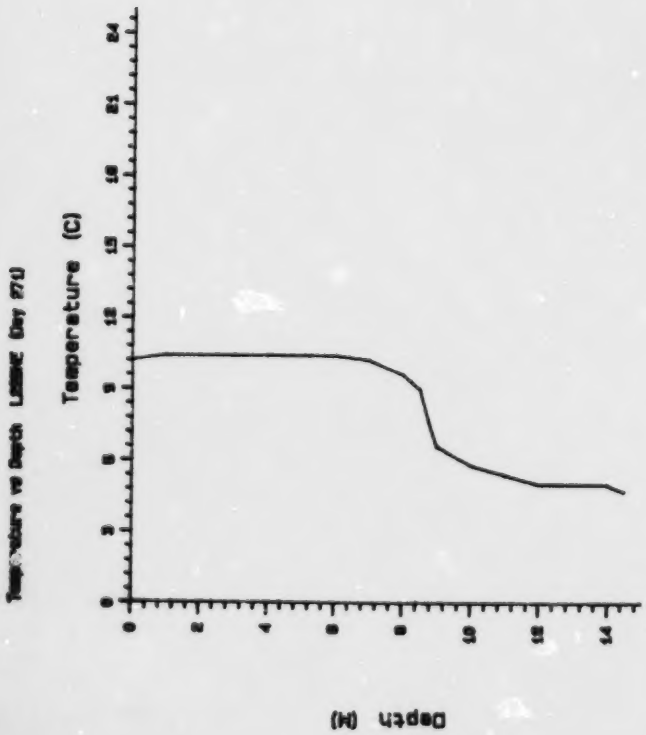

Temperature vs Depth L226NE Day 259
Temperature (C)
Depth (M)

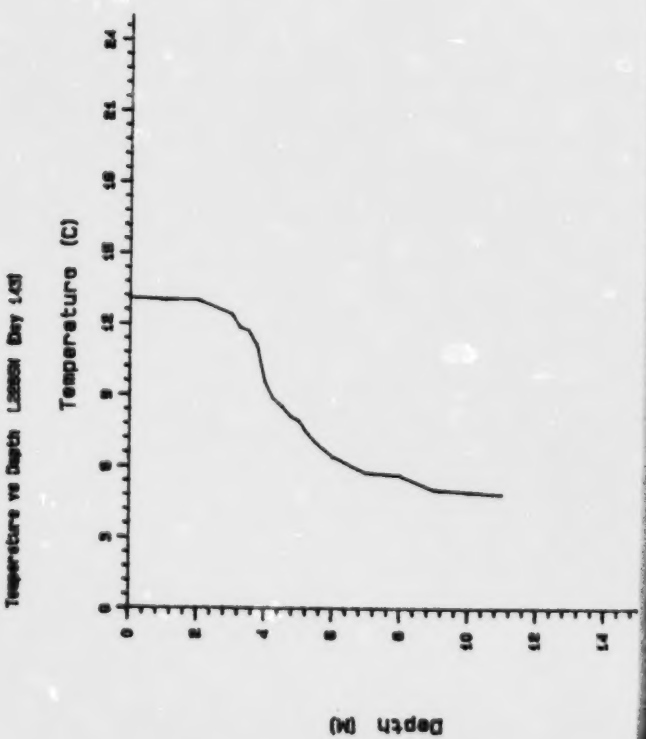

Temperature vs Depth L226NE Day 214
Temperature (C)
Depth (M)

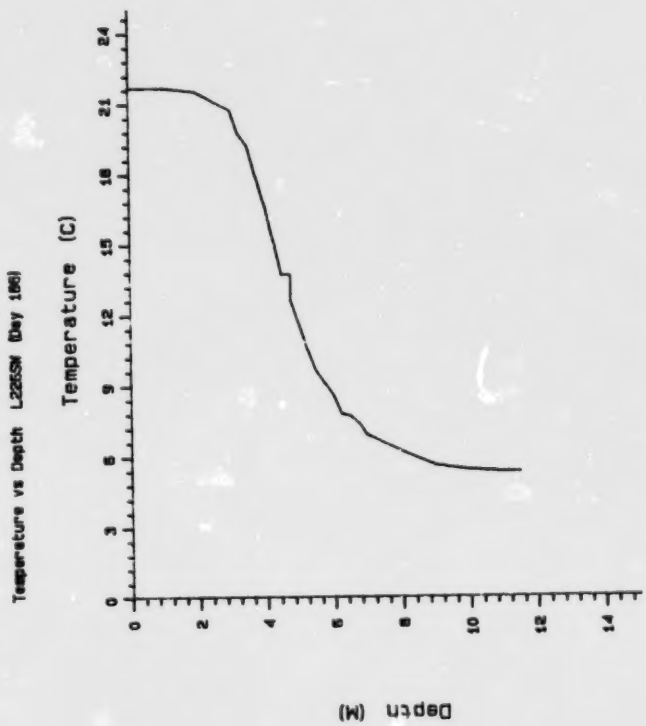

Temperature vs Depth L226NE Day 242
Temperature (C)
Depth (M)

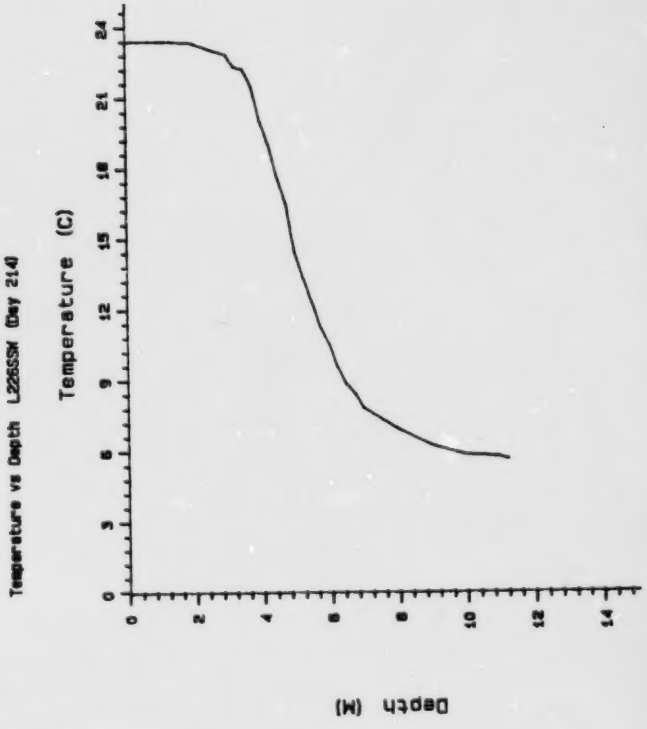

Temperature vs Depth L230NE Day 304
Temperature (C)
Depth (M)

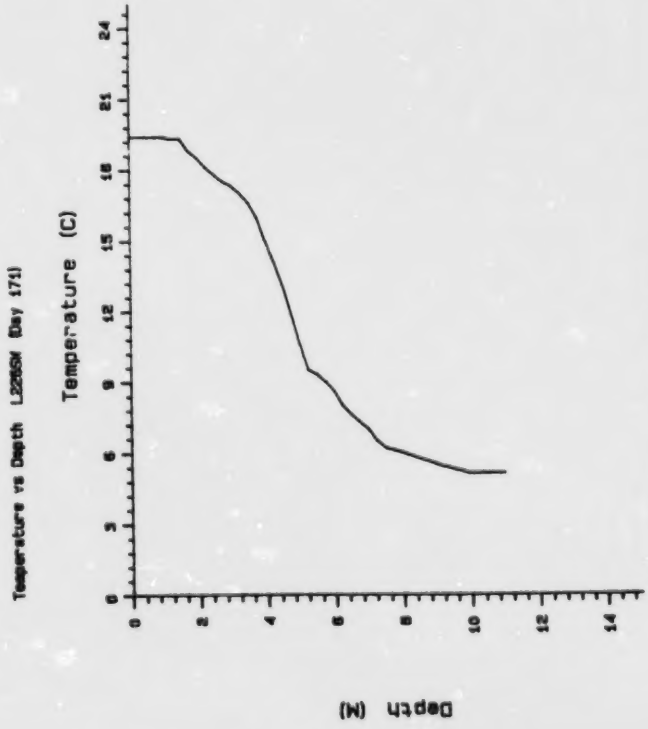

Temperature vs Depth L230SW Day 158
Temperature (C)
Depth (M)

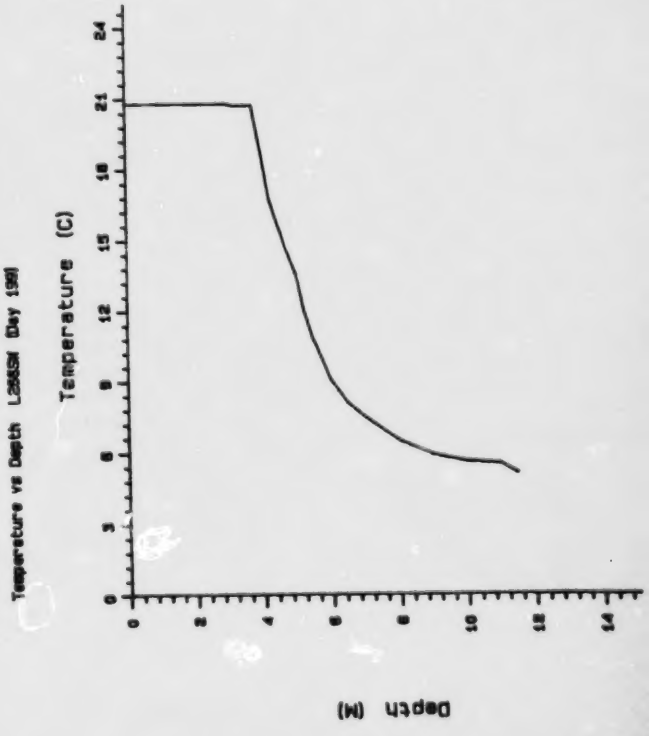

Temperature vs Depth L230NE Day 271
Temperature (C)
Depth (M)

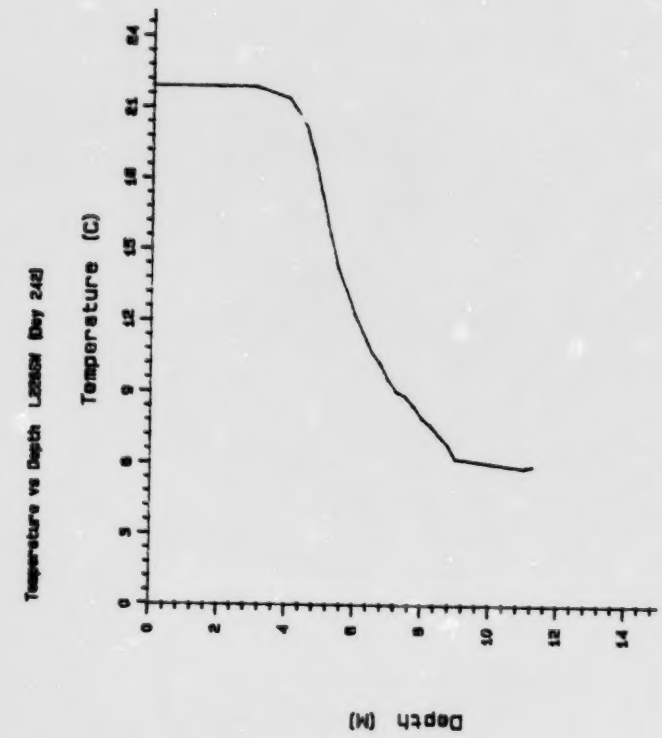

Temperature vs Depth L230SW Day 143
Temperature (C)
Depth (M)

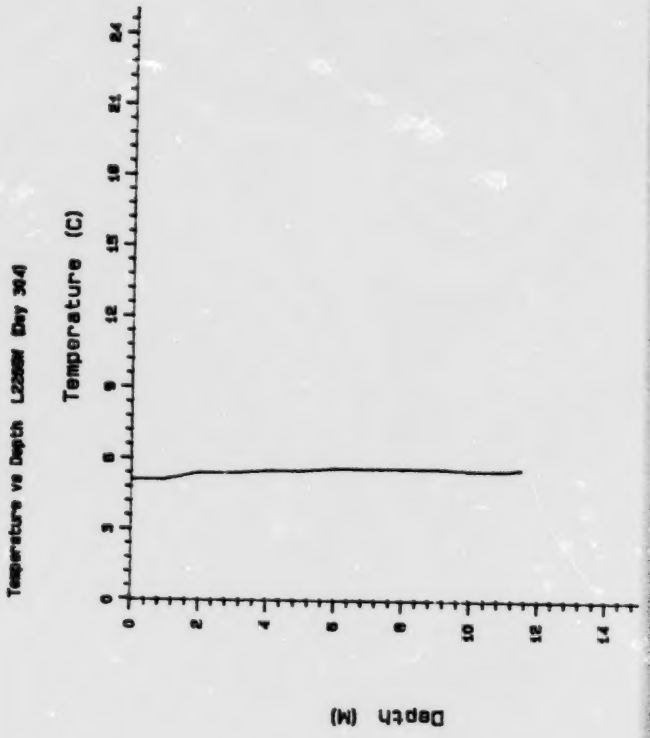

Temperature vs Depth L226SW (Day 186)
Temperature (C)
Depth (M)

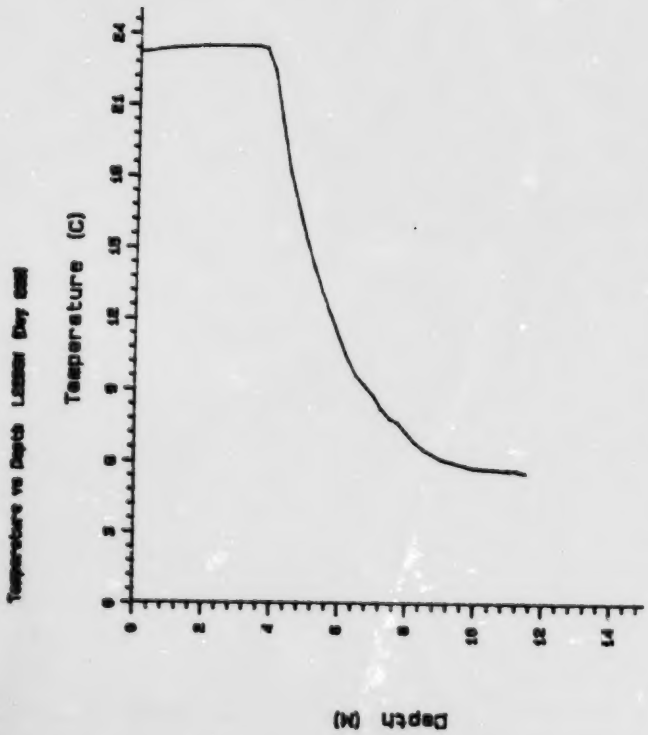

Temperature vs Depth L226SW (Day 214)
Temperature (C)
Depth (M)

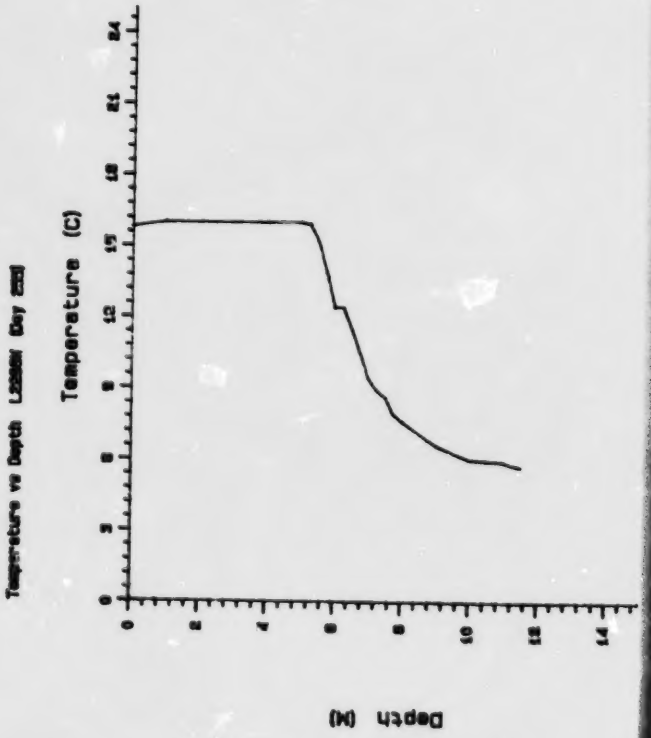

Temperature vs Depth L226SW (Day 171)
Temperature (C)
Depth (M)

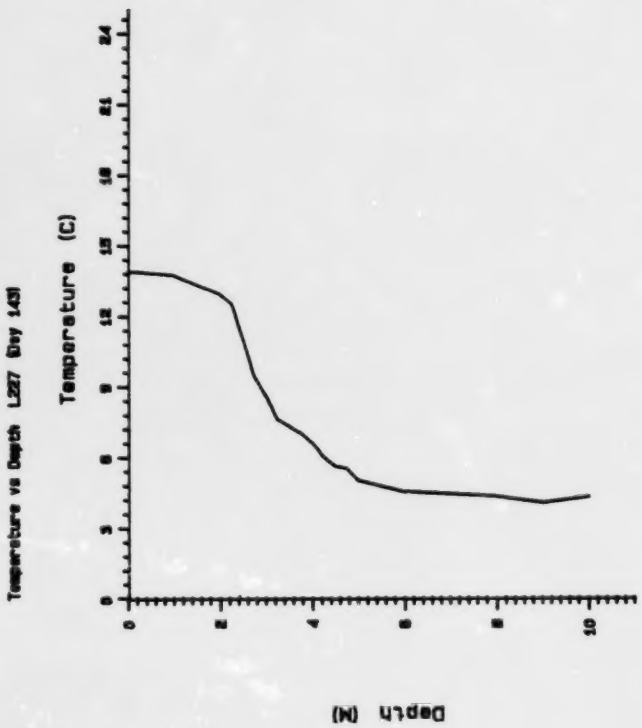

Temperature vs Depth L226SW (Day 199)
Temperature (C)
Depth (M)

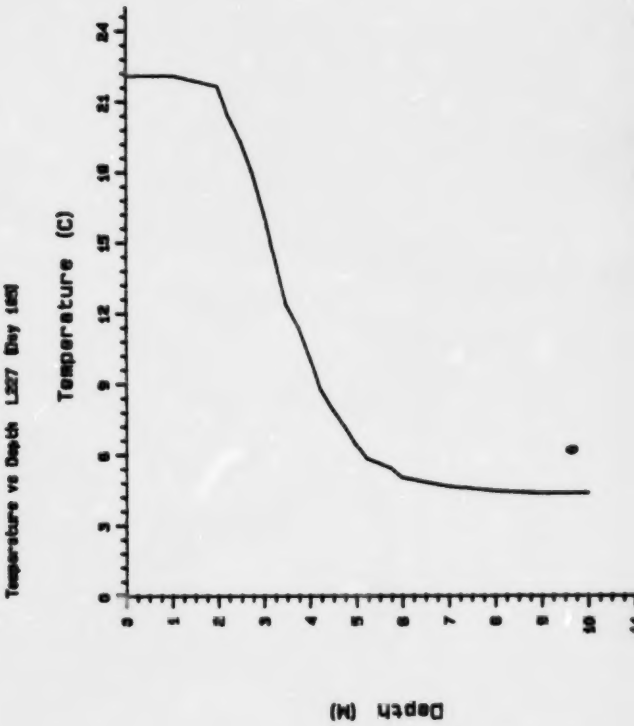

Temperature vs Depth L2858W Day 243
Temperature (C)
Depth (M)

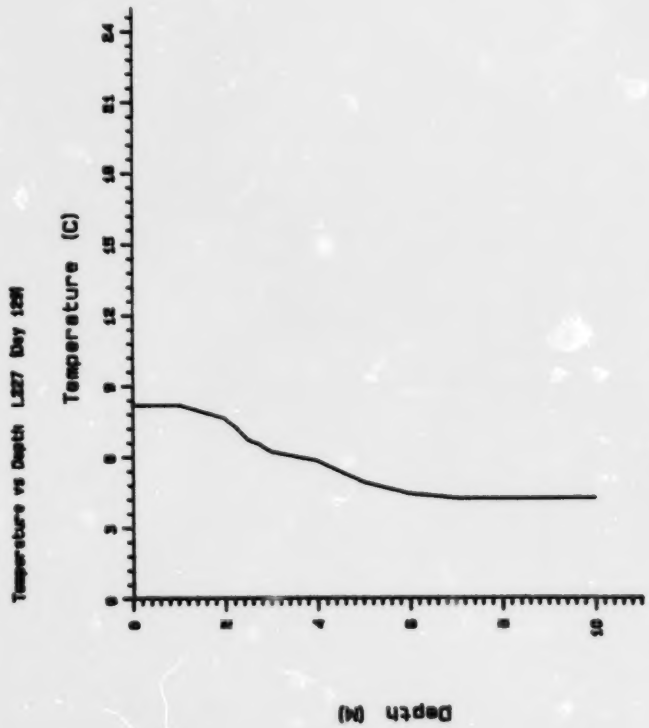

Temperature vs Depth L2858W Day 304
Temperature (C)
Depth (M)

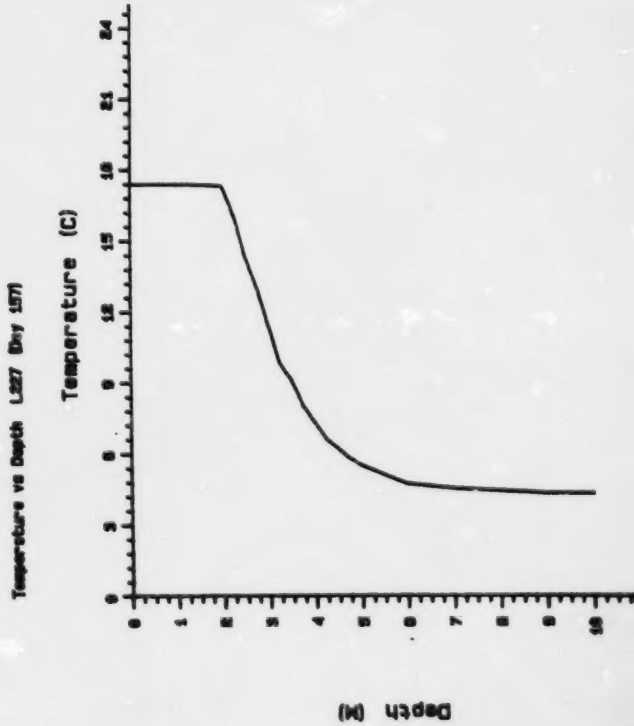

Temperature vs Depth L2858W Day 000
Temperature (C)
Depth (M)

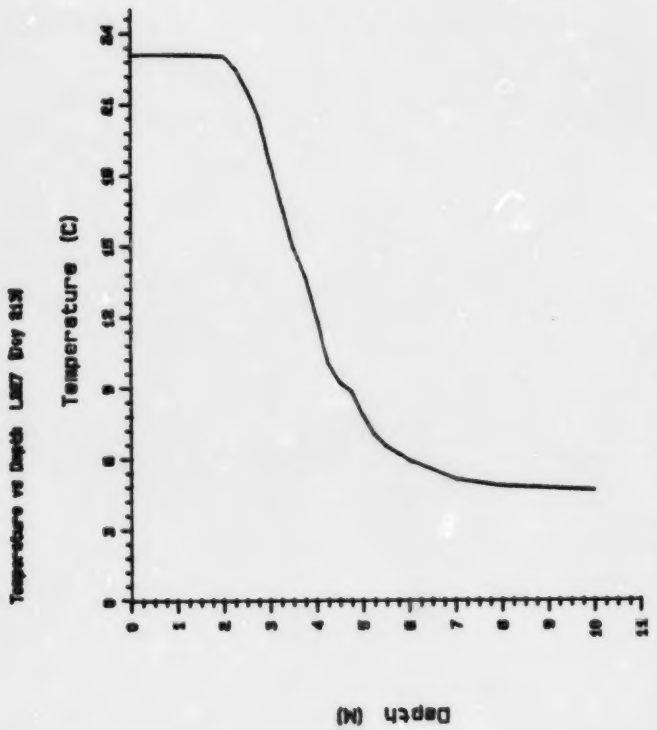

Temperature vs Depth L2858W Day 000
Temperature (C)
Depth (M)

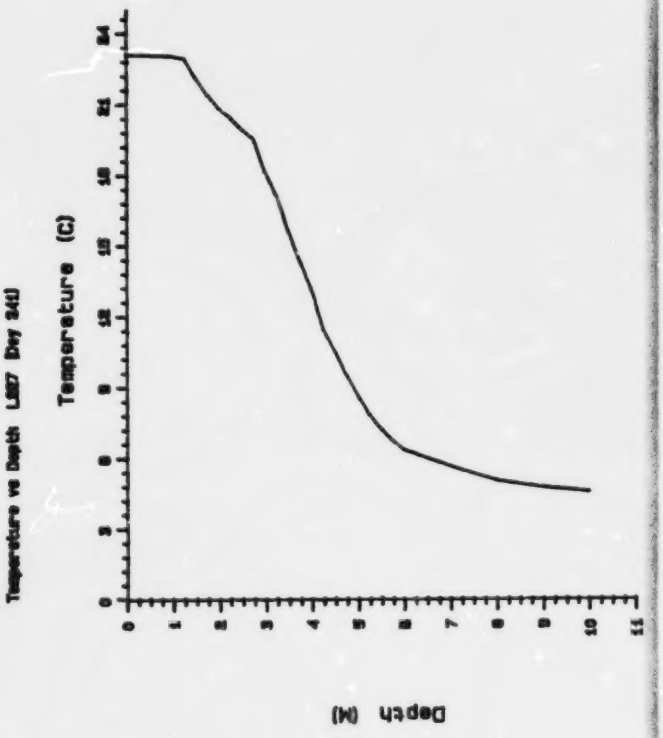

Temperature vs Depth L227 Day 143
Temperature (C)
Depth (M)

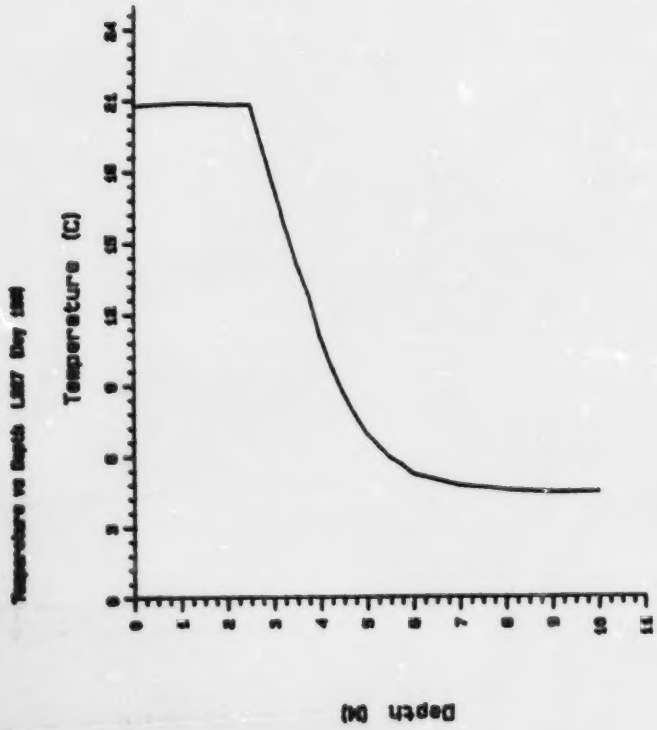

Temperature vs Depth L227 Day 165
Temperature (C)
Depth (M)

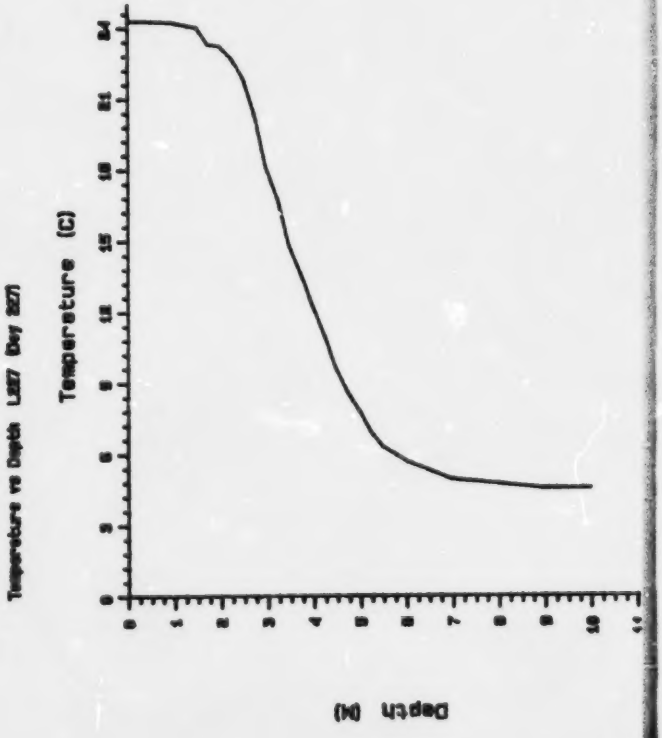

Temperature vs Depth L227 Day 158
Temperature (C)
Depth (M)

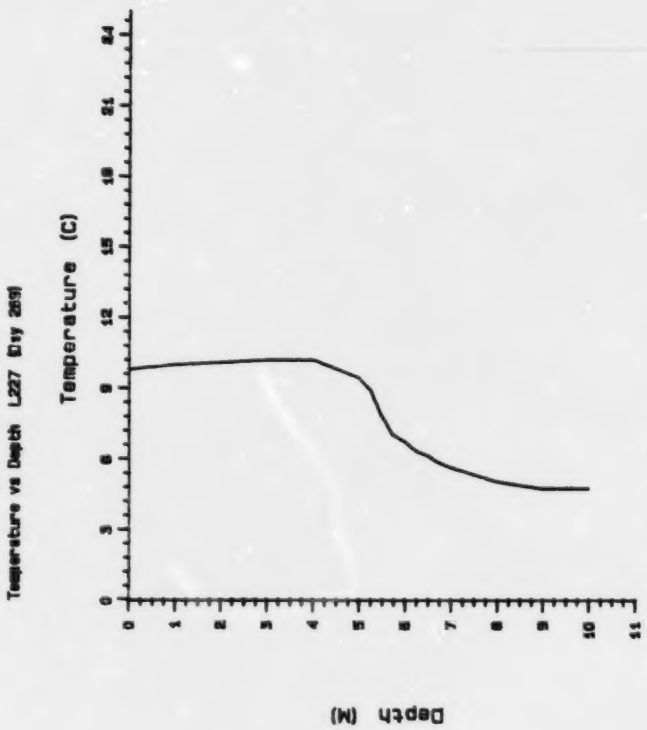

Temperature vs Depth L227 Day 177
Temperature (C)
Depth (M)

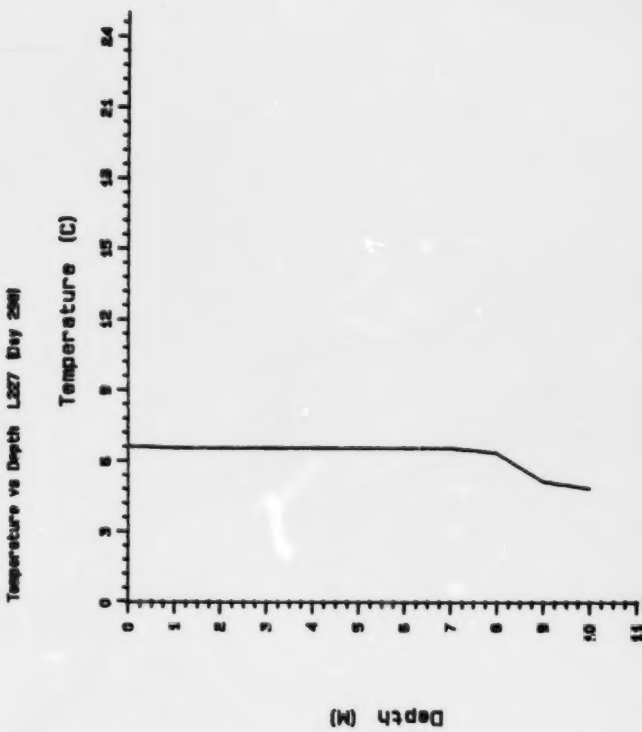

Temperature vs Depth LE27 Day 313
Temperature (C)
Depth (M)

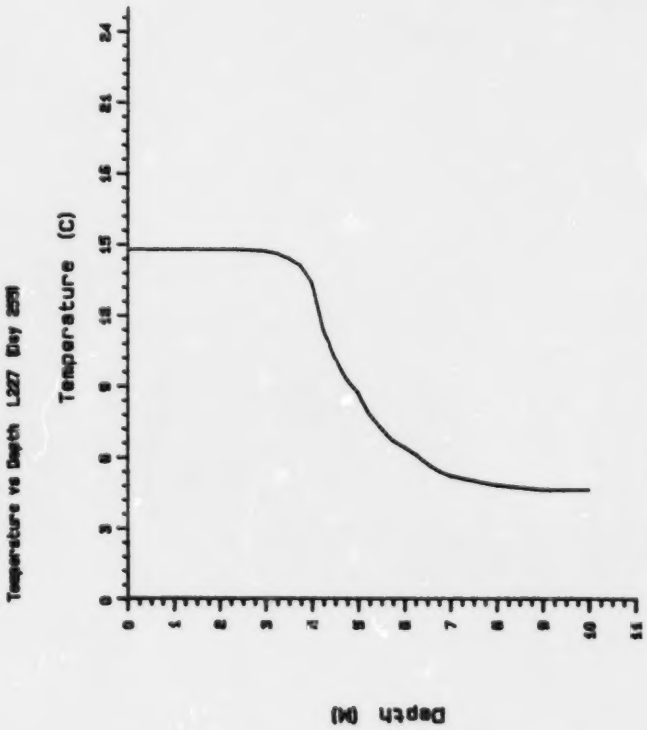

Temperature vs Depth LE27 Day 341
Temperature (C)
Depth (M)

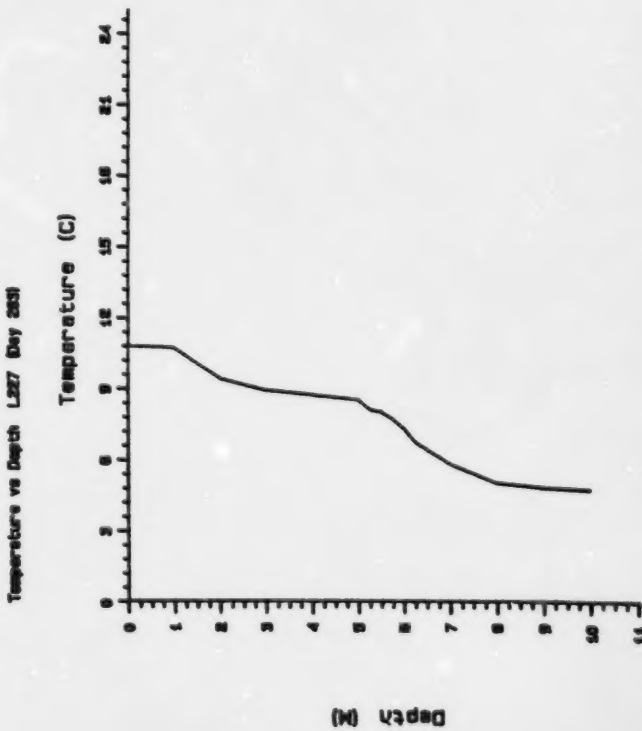

Temperature vs Depth LE27 Day 188
Temperature (C)
Depth (M)

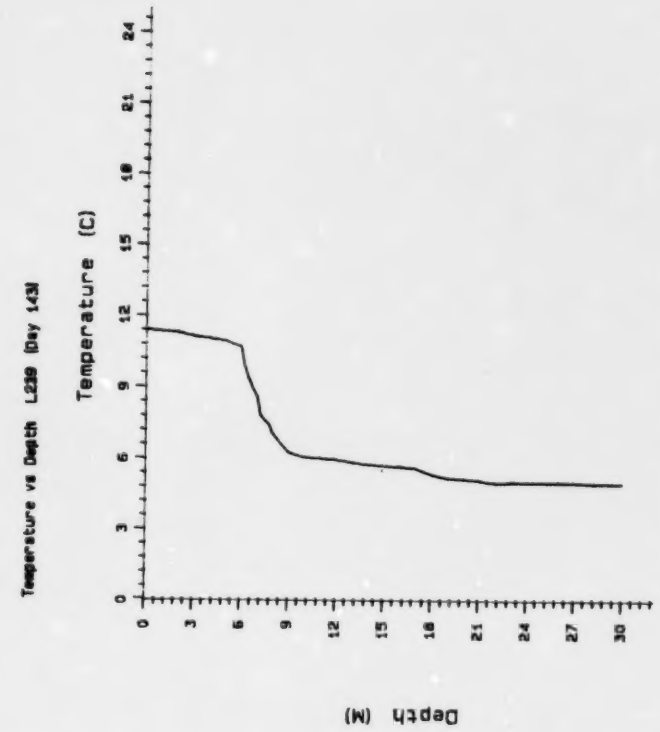

Temperature vs Depth LE27 Day 227
Temperature (C)
Depth (M)

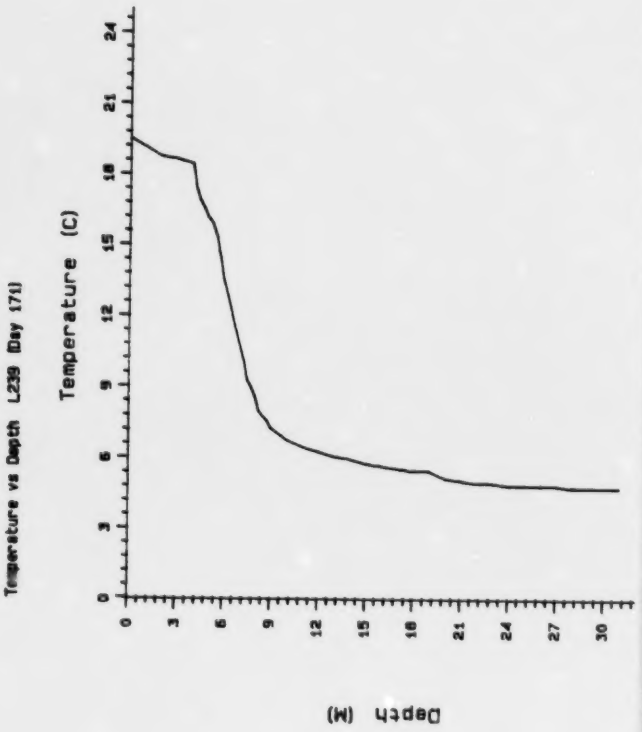

Temperature vs Depth L227 Day 2551
Temperature (C)
Depth (M)

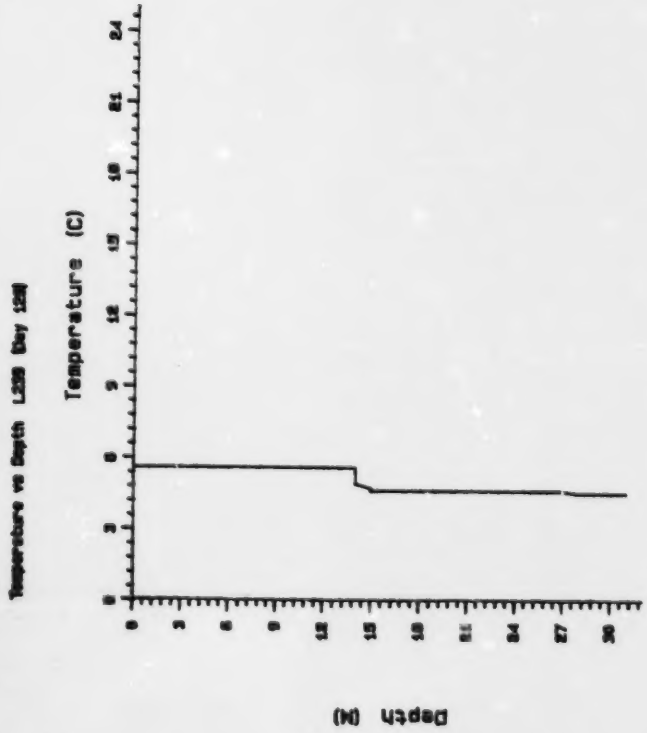

Temperature vs Depth L227 Day 2561
Temperature (C)
Depth (M)

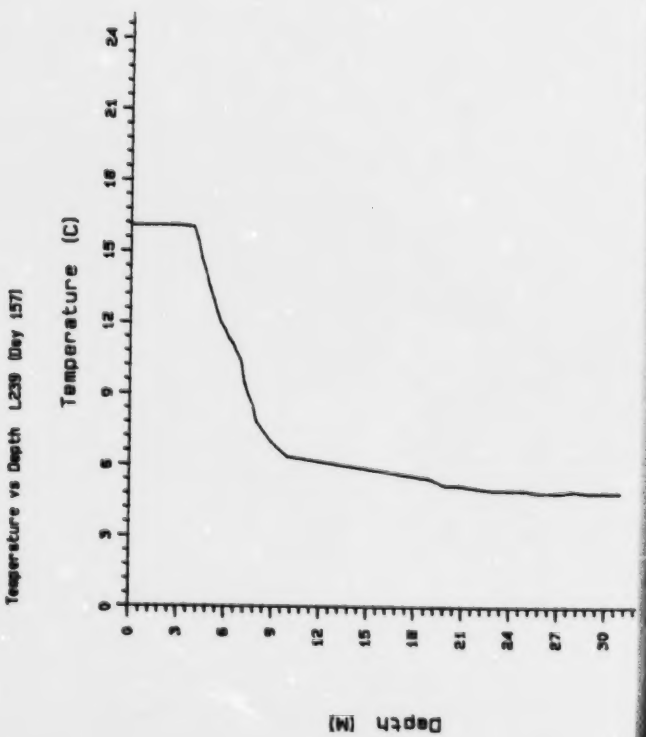

Temperature vs Depth L227 Day 2531
Temperature (C)
Depth (M)

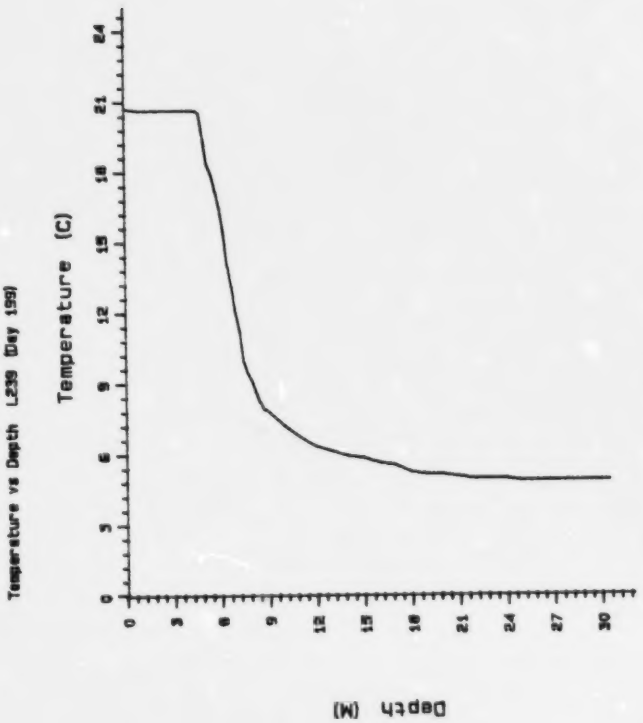

Temperature vs Depth L227 Day 2551
Temperature (C)
Depth (M)

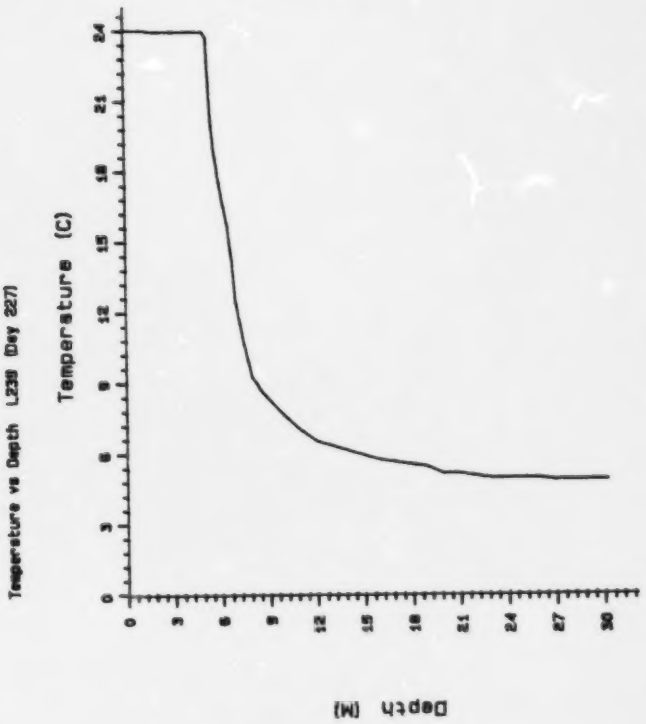

Temperature vs Depth L239 (Day 143)
Temperature (C)
Depth (M)

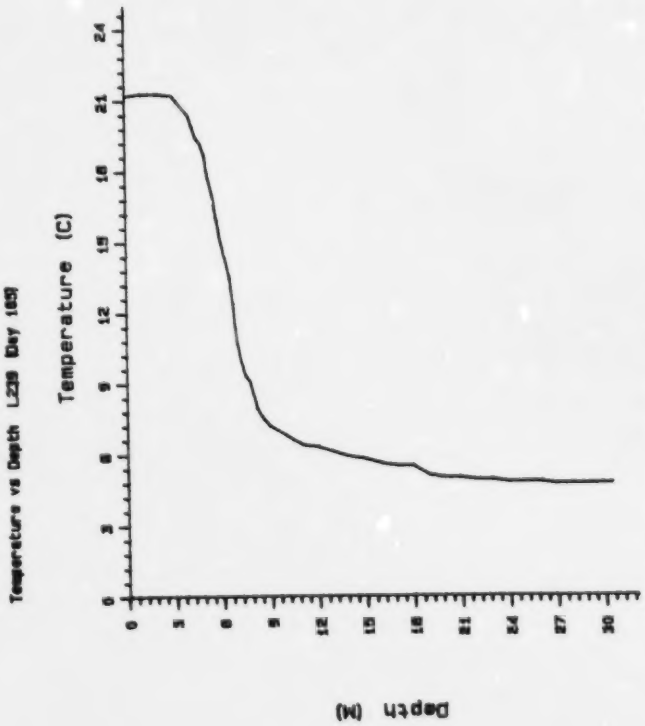

Temperature vs Depth L239 (Day 171)
Temperature (C)
Depth (M)

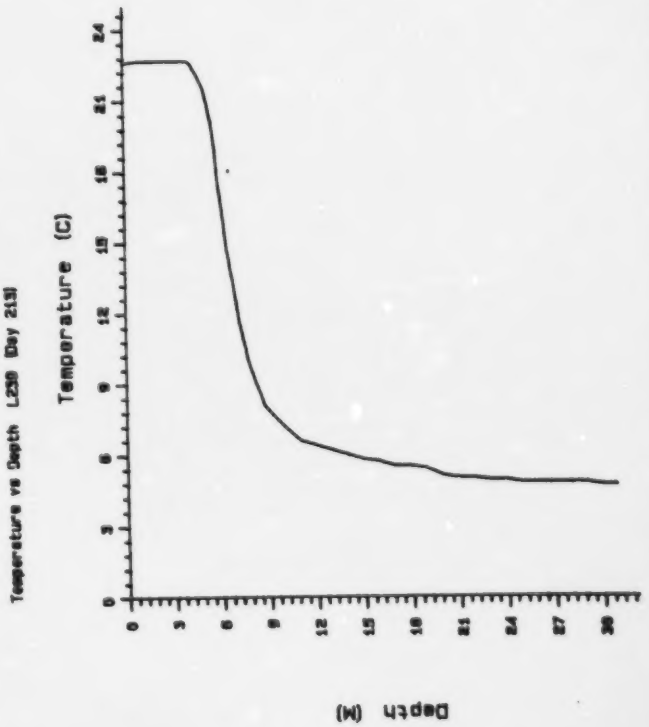

Temperature vs Depth L239 (Day 129)
Temperature (C)
Depth (M)

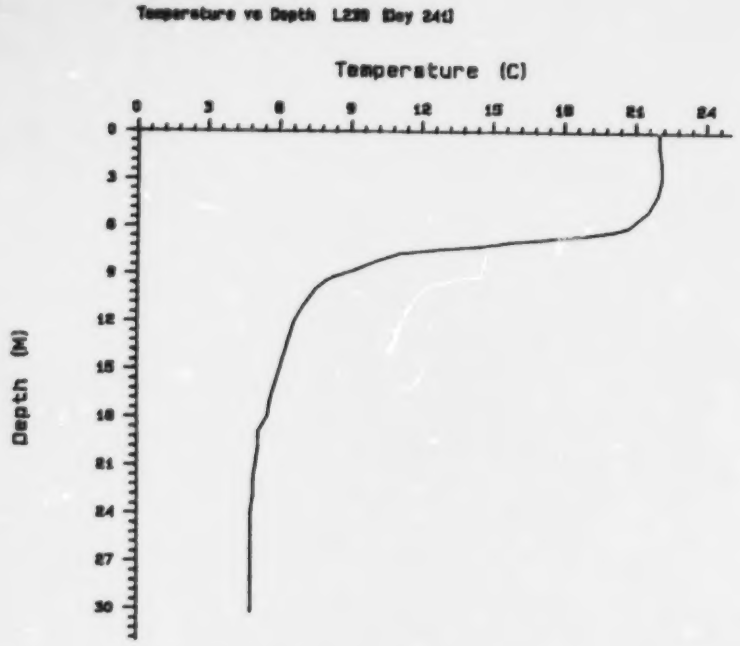

Temperature vs Depth L239 (Day 157)
Temperature (C)
Depth (M)

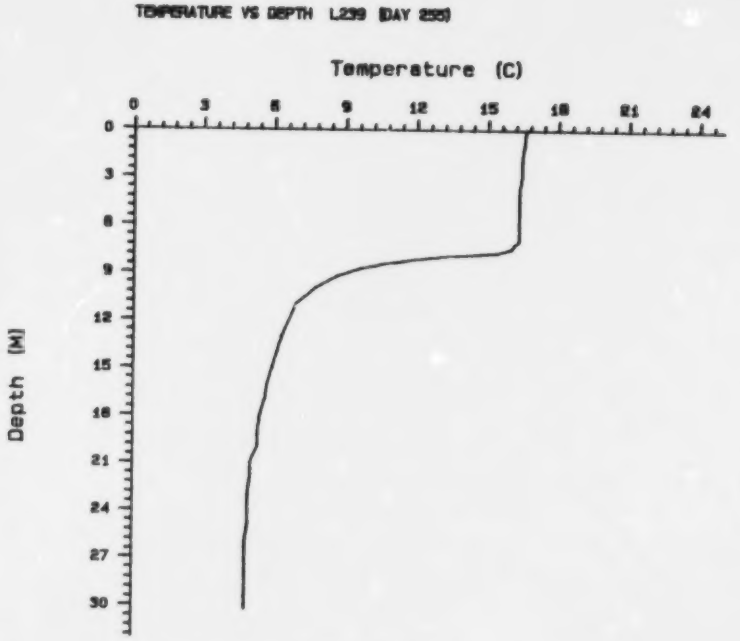

Temperature vs Depth L239 Day 199
Temperature (C)
Depth (M)

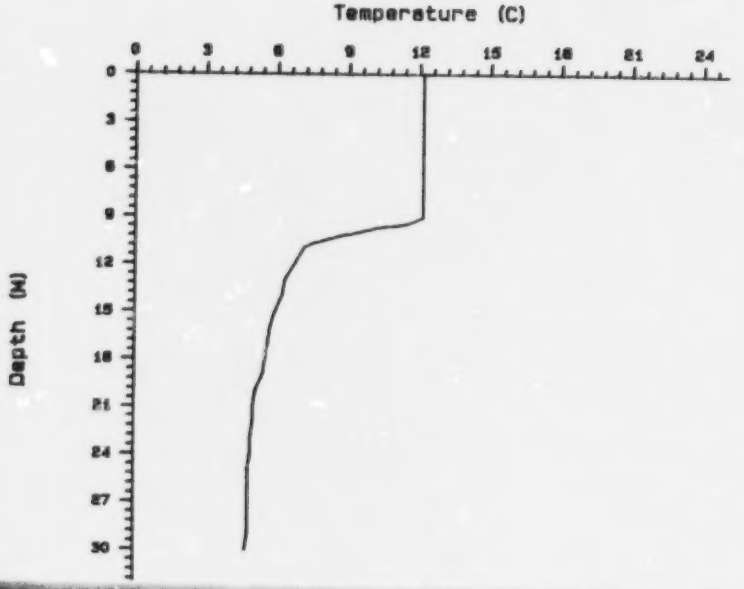

Temperature vs Depth L239 Day 227
Temperature (C)
Depth (M)

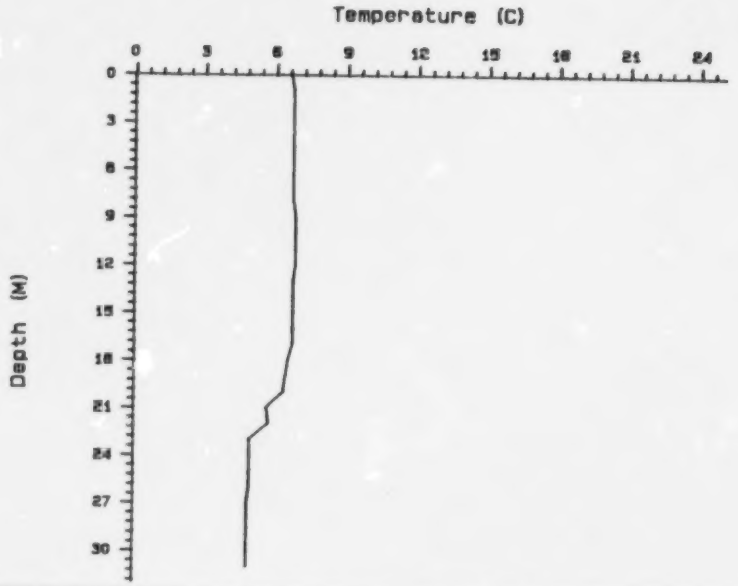

Temperature vs Depth L239 Day 185
Temperature (C)
Depth (M)

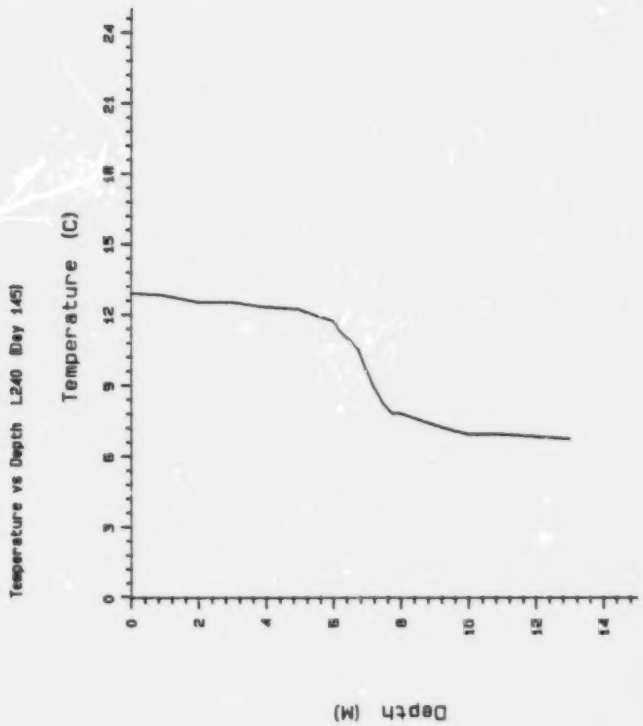

Temperature vs Depth L239 Day 213
Temperature (C)
Depth (M)

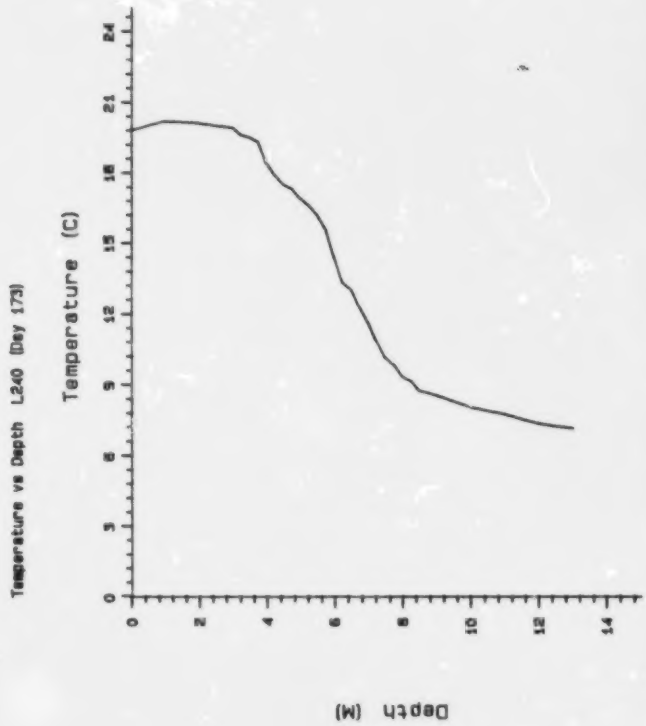

Temperature vs Depth L239 (Day 241)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

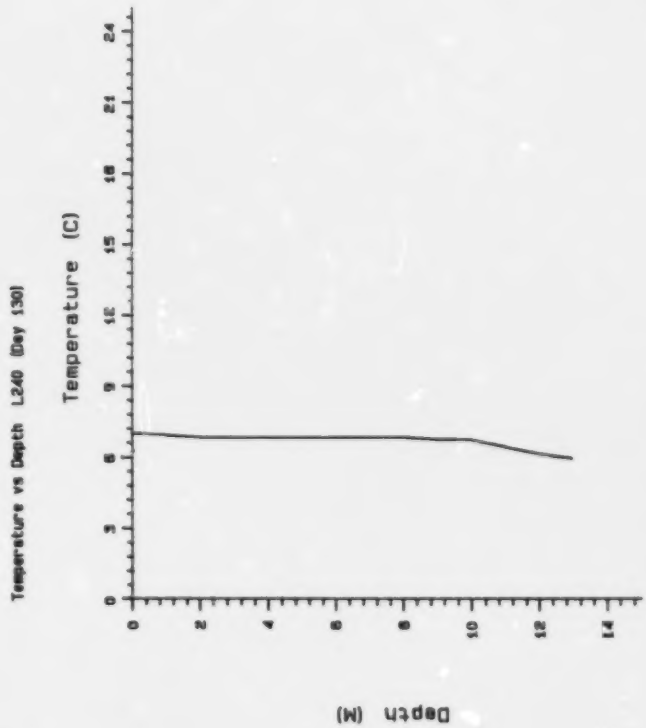

TEMPERATURE VS DEPTH L239 (DAY 255)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

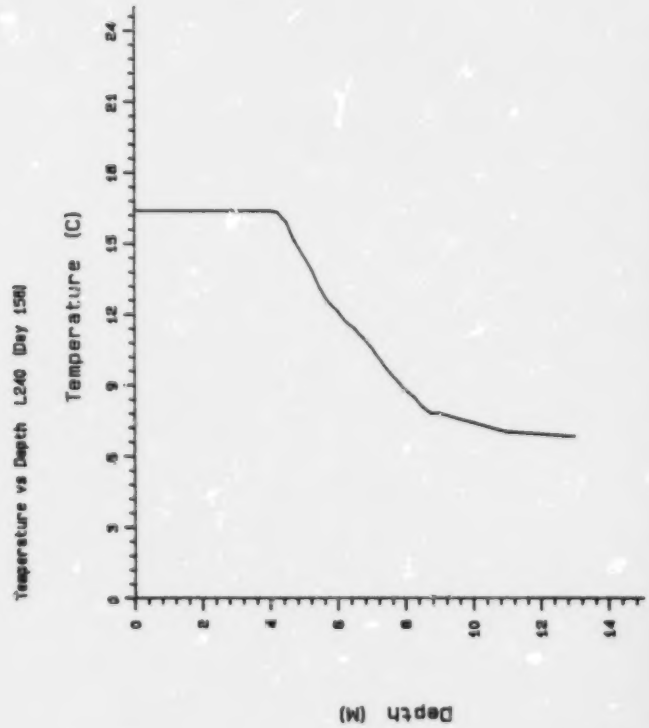

TEMPERATURE VS DEPTH L239 (DAY 268)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

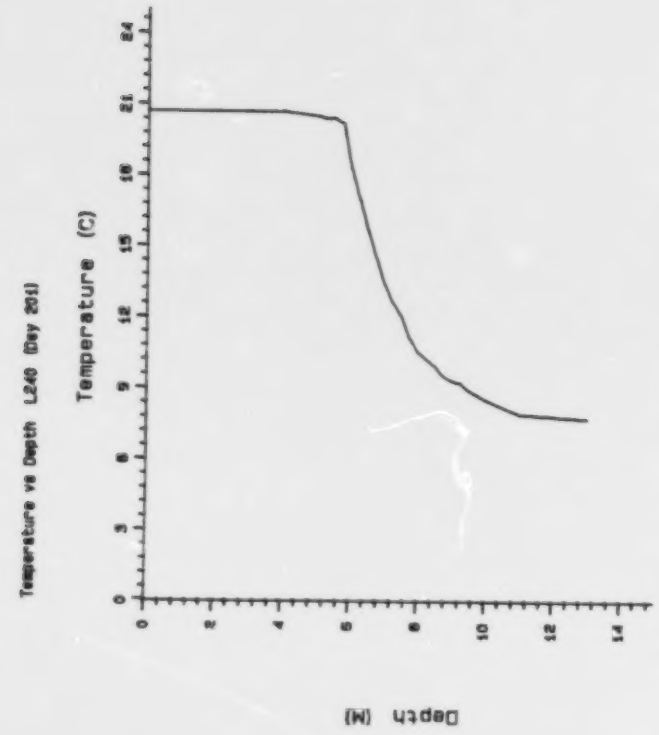

TEMPERATURE VS DEPTH L239 (DAY 303)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

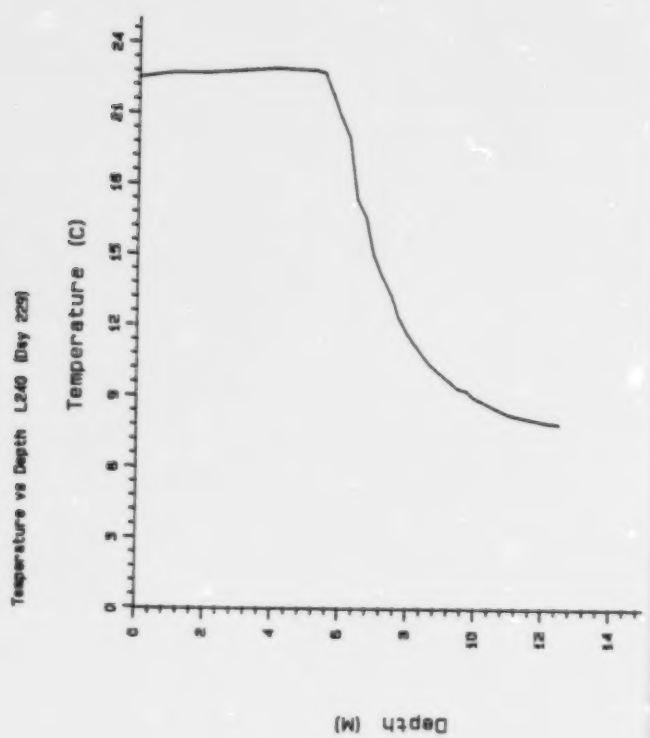

Temperature vs Depth L240 (Day 145)
Temperature (C)
Depth (M)

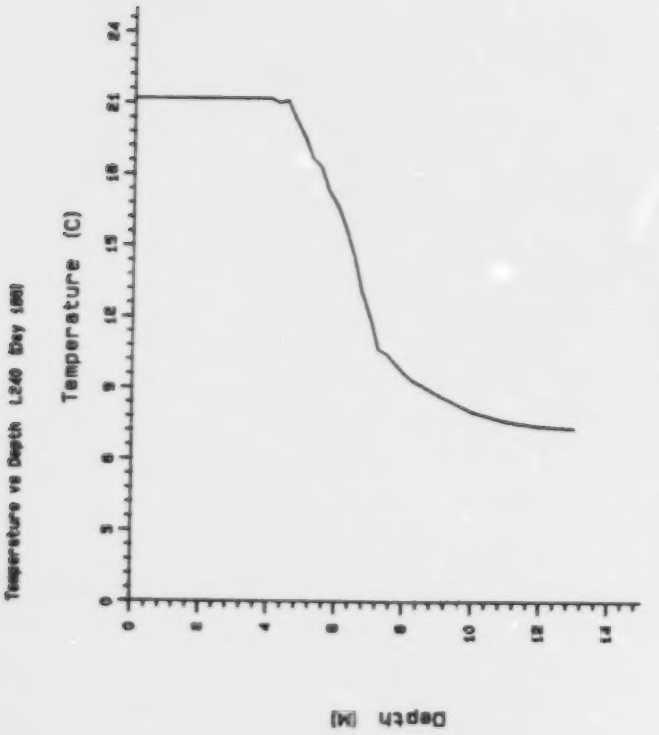

Temperature vs Depth L240 (Day 173)
Temperature (C)
Depth (M)

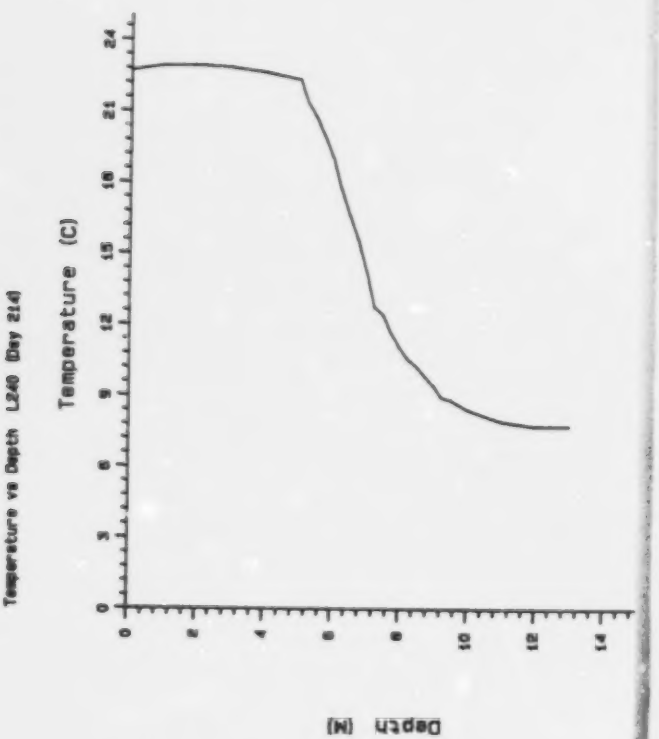

Temperature vs Depth L240 (Day 130)
Temperature (C)
Depth (M)

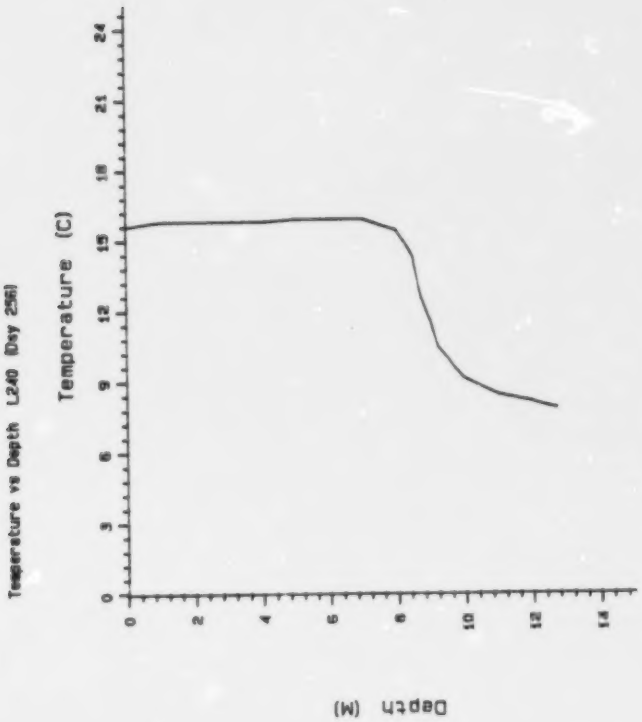

Temperature vs Depth L240 (Day 158)
Temperature (C)
Depth (M)

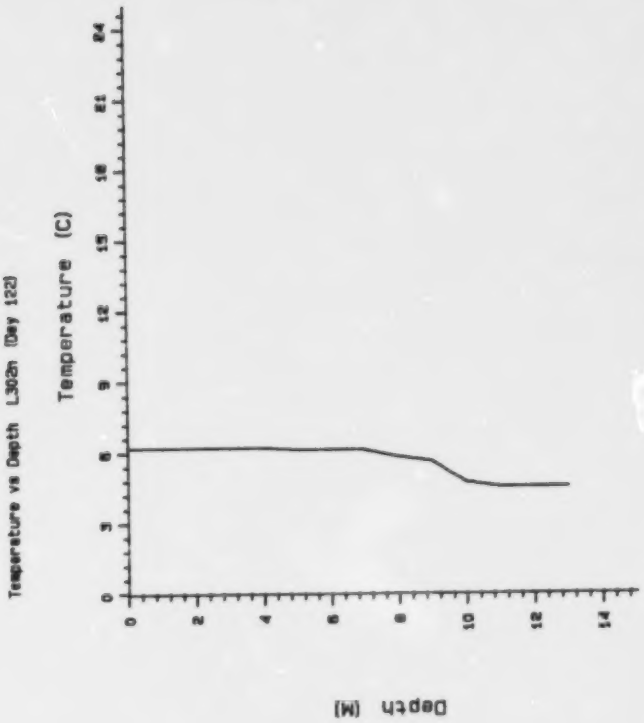

Temperature vs Depth L240 Day 201
Temperature (C)
Depth (M)

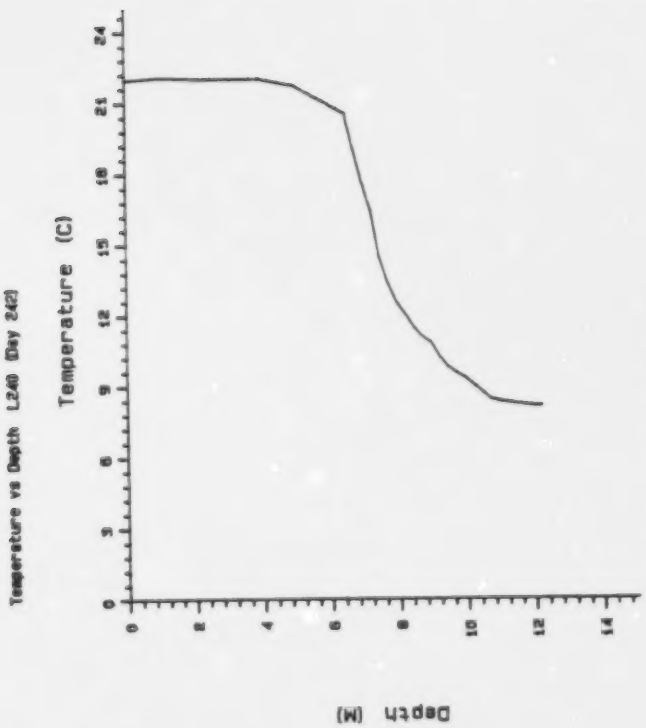

Temperature vs Depth L240 Day 229
Temperature (C)
Depth (M)

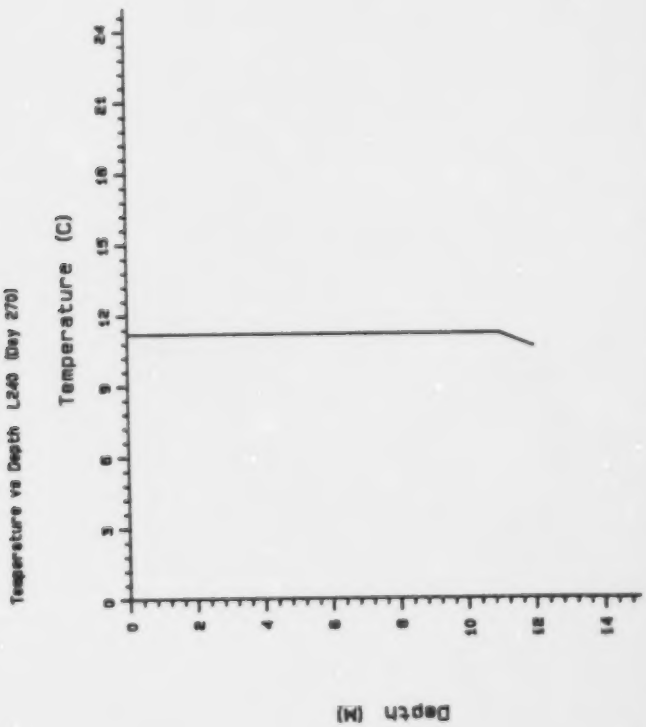

Temperature vs Depth L240 Day 188
Temperature (C)
Depth (M)

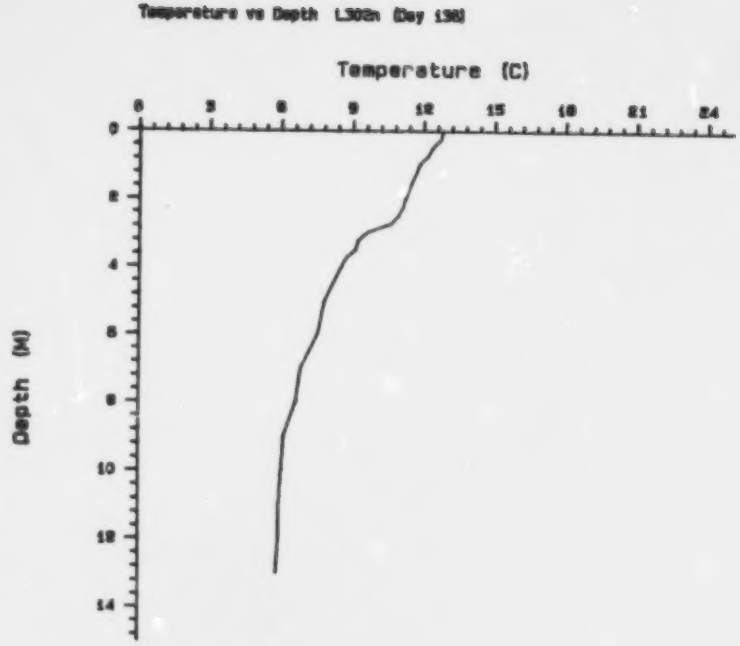

Temperature vs Depth L240 Day 214
Temperature (C)
Depth (M)

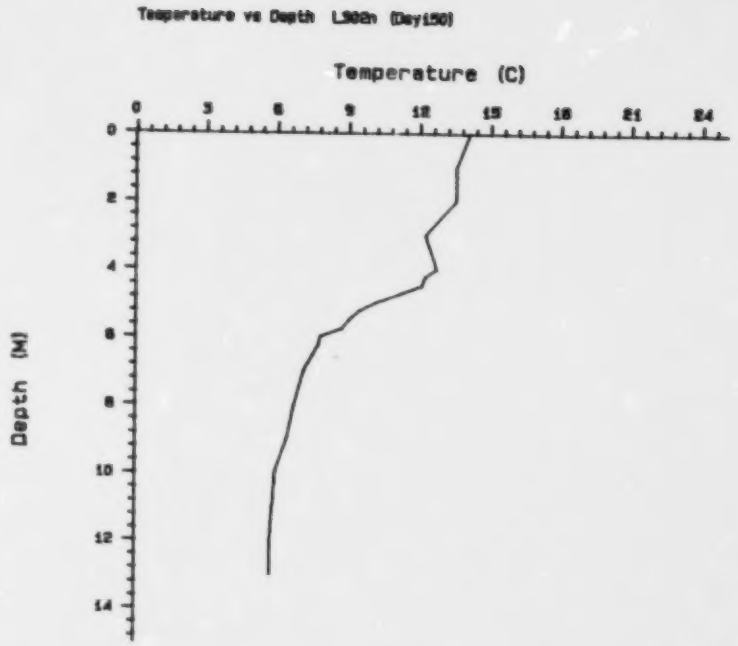

Temperature vs Depth L240 (Day 256)
Temperature (C)
Depth (M)

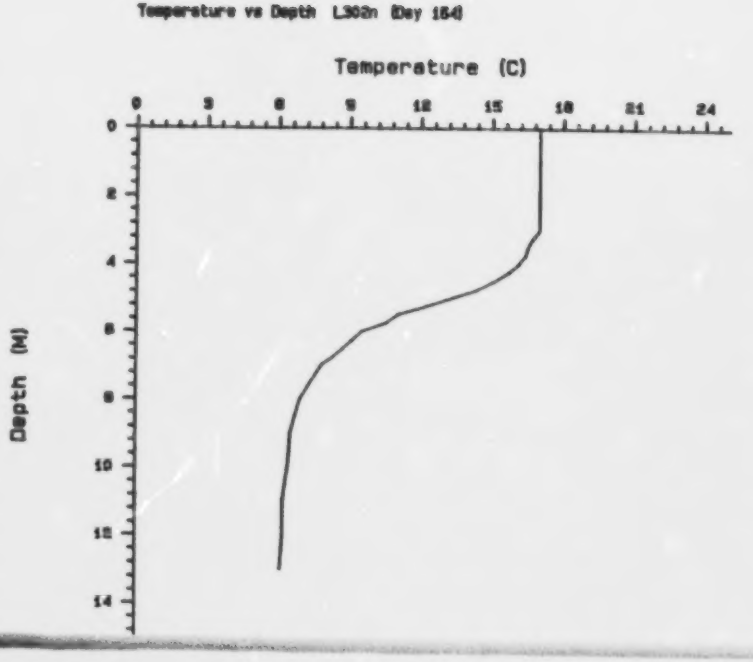

Temperature vs Depth L302n (Day 122)
Temperature (C)
Depth (M)

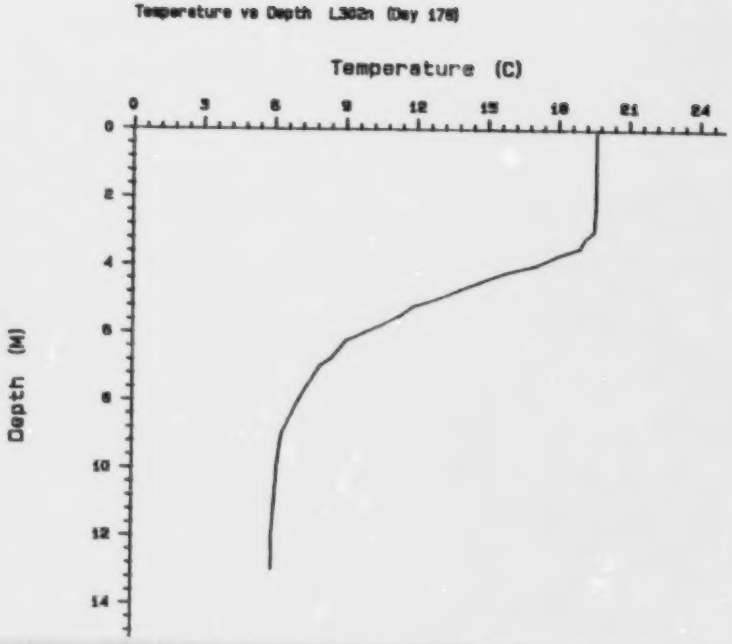

Temperature vs Depth L240 (Day 242)
Temperature (C)
Depth (M)

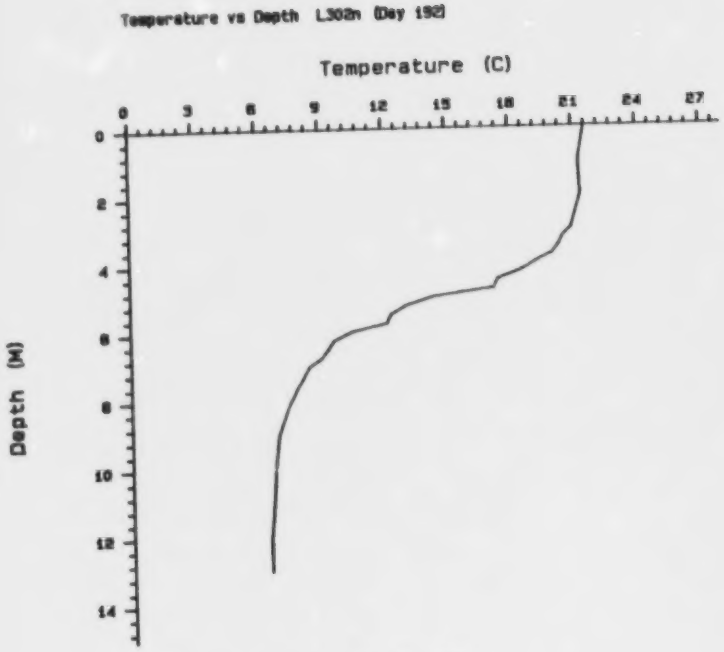

Temperature vs Depth L240 (Day 270)
Temperature (C)
Depth (M)

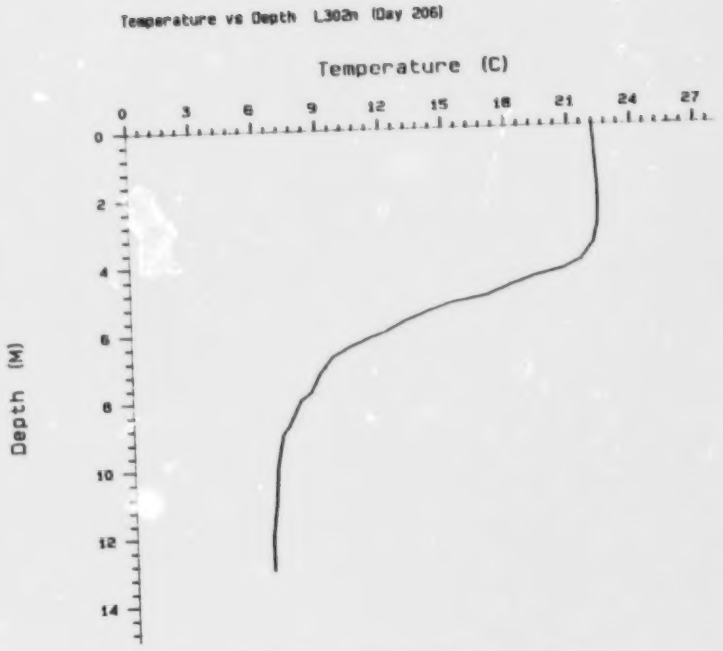

Temperature vs Depth L302n (Day 136)
Temperature (C)
Depth (M)

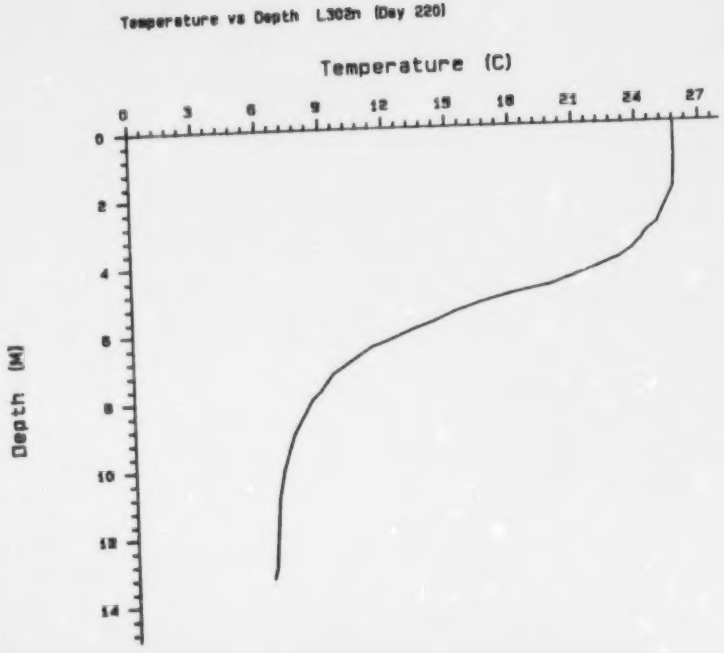

Temperature vs Depth L302n (Day150)
Temperature (C)
Depth (M)

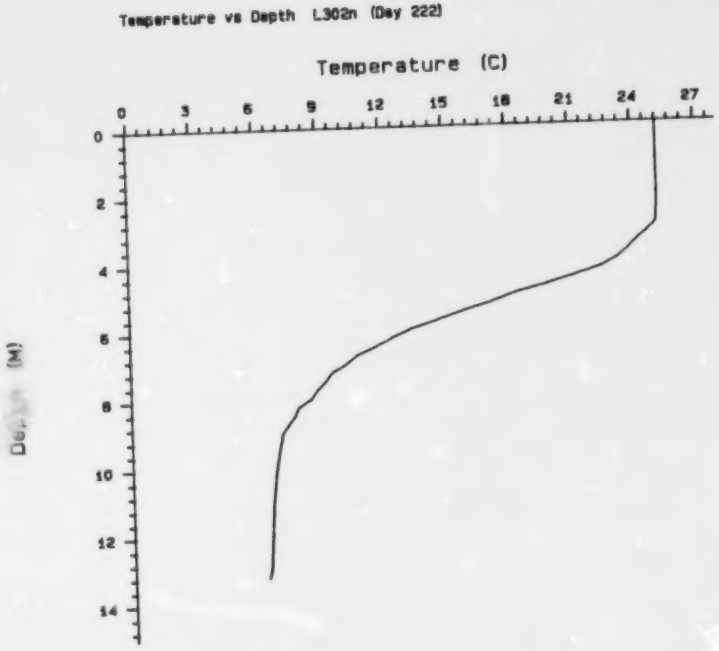

Temperature vs Depth L302n (Day 164)
Temperature (C)
Depth (M)

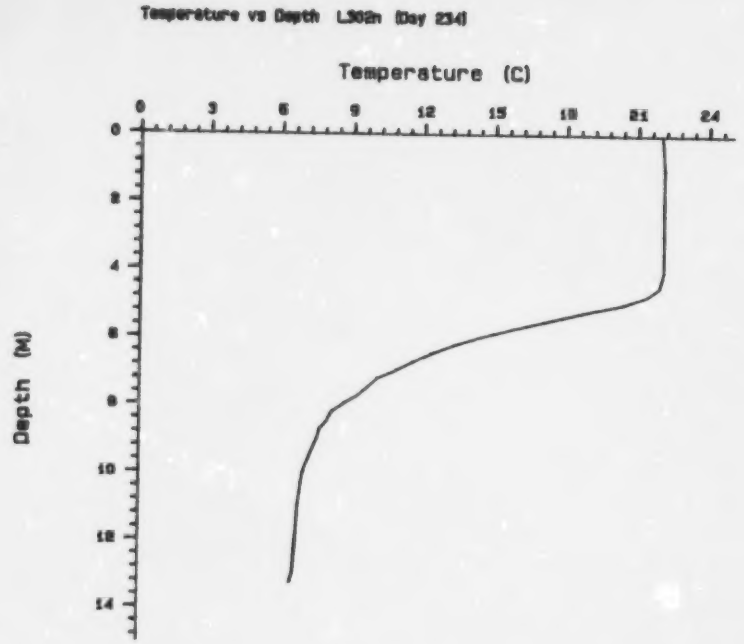

Temperature vs Depth L302n (Day 178)
Temperature (C)
Depth (M)

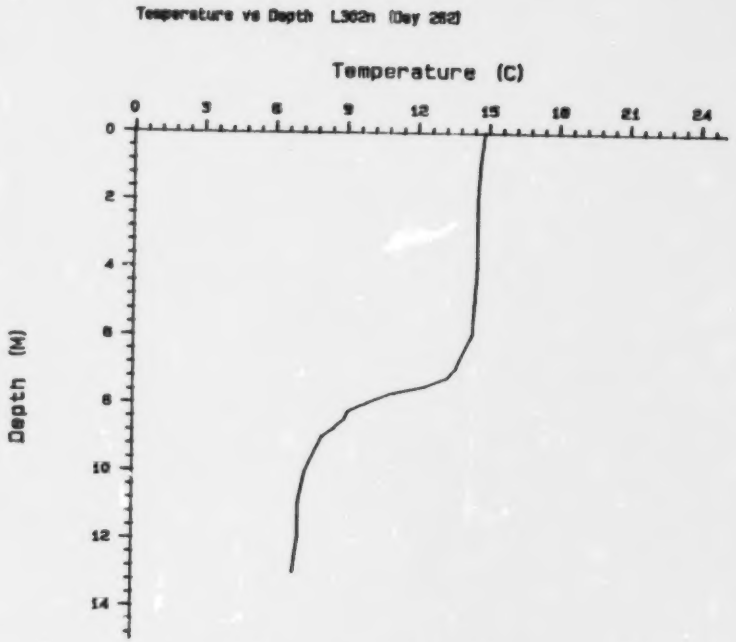

Temperature vs Depth L302n (Day 192)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
Depth (M)
0 2 4 6 8 10 12 14

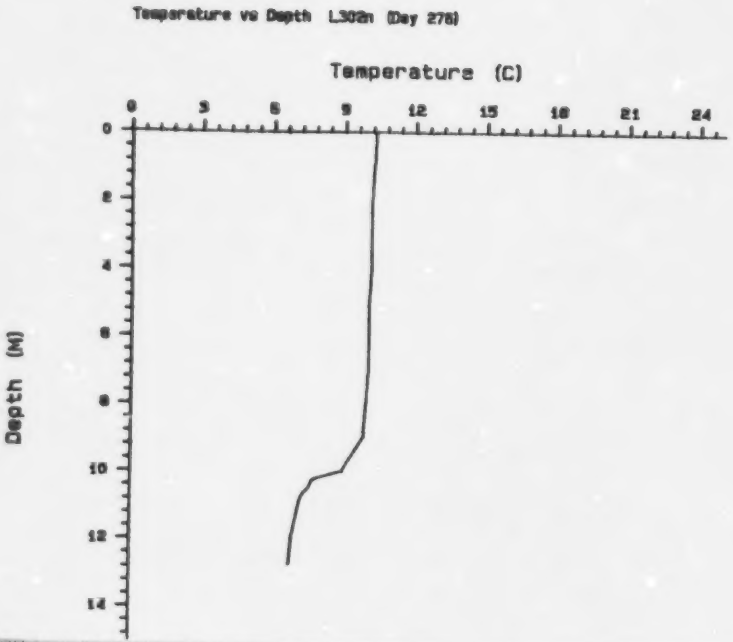

Temperature vs Depth L302n (Day 206)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
Depth (M)
0 2 4 6 8 10 12 14

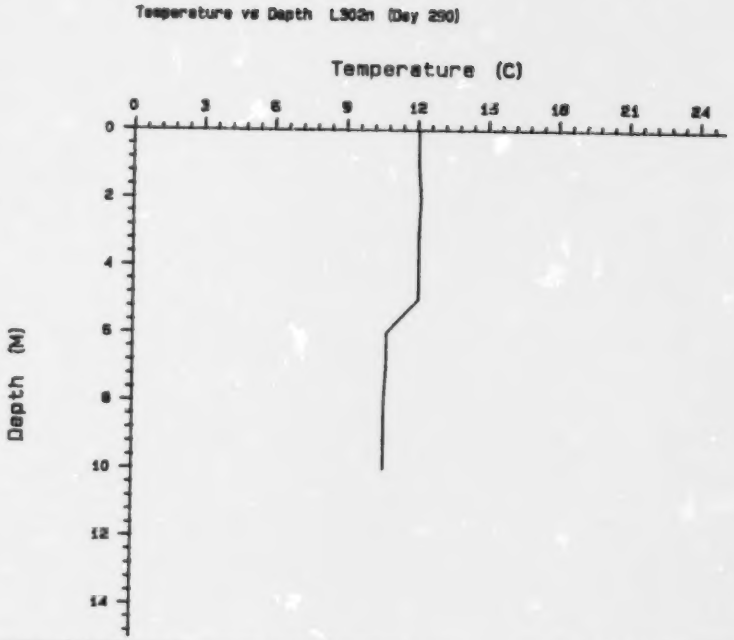

Temperature vs Depth L302n (Day 220)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
Depth (M)
0 2 4 6 8 10 12 14

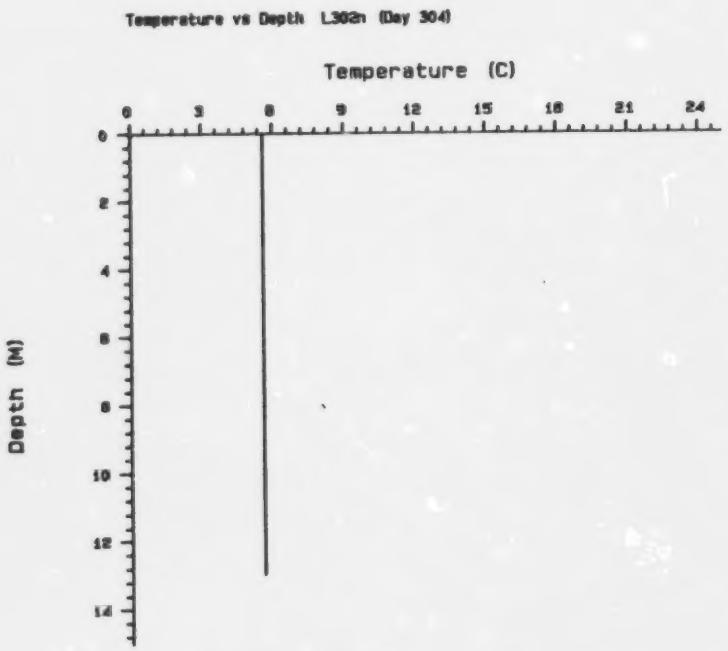

Temperature vs Depth L302n (Day 222)
Temperature (C)
0 3 6 9 12 15 18 21 24 27
0 2 4 6 8 10 12 14

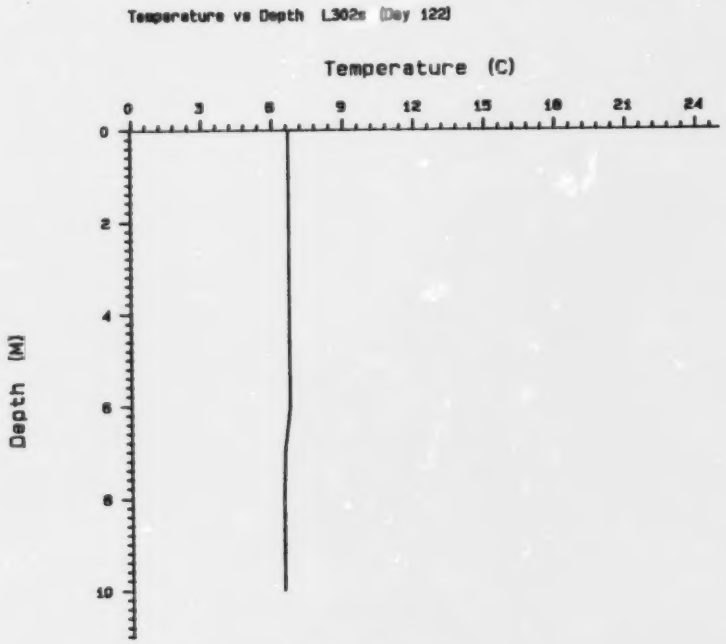

Temperature vs Depth L302n (Day 234)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

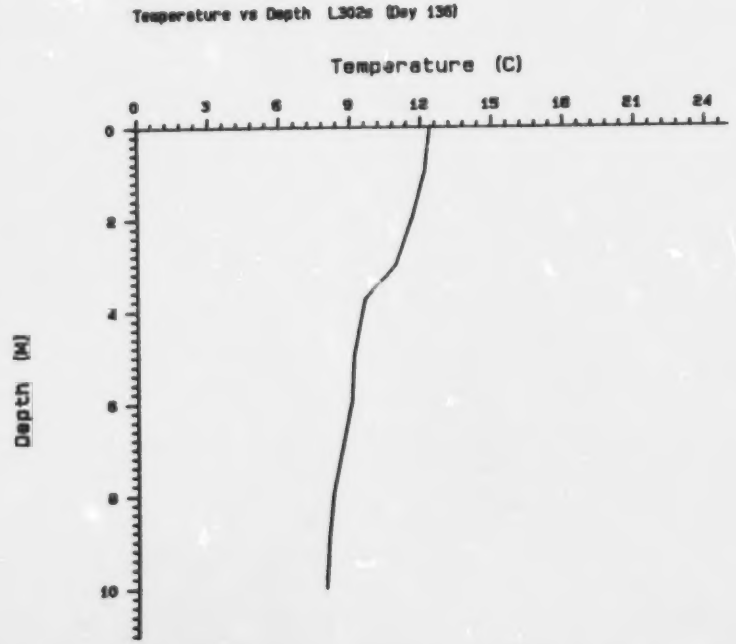

Temperature vs Depth L302n (Day 262)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

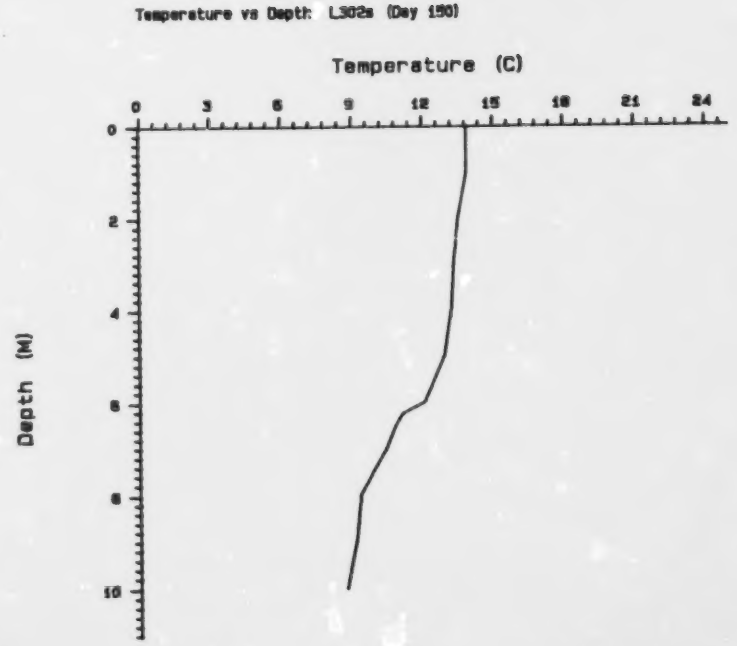

Temperature vs Depth L302n (Day 278)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

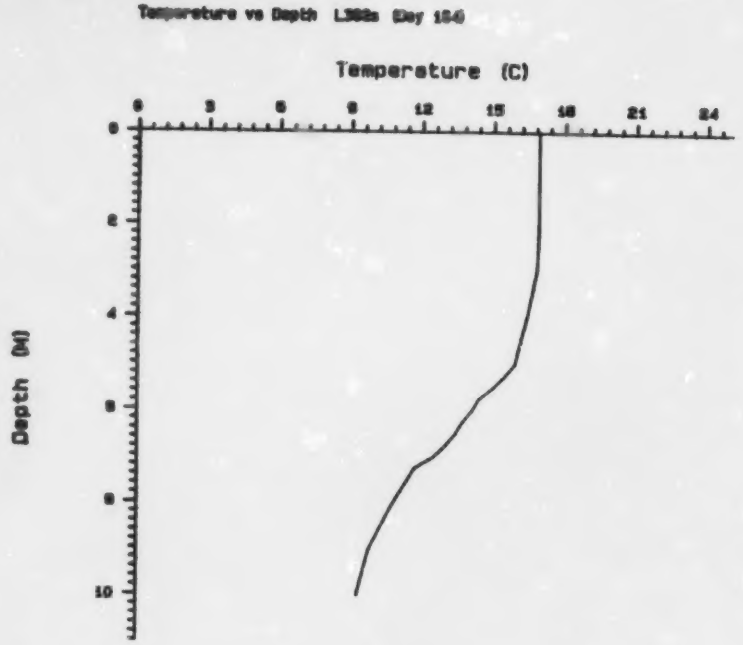

Temperature vs Depth L302n (Day 290)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

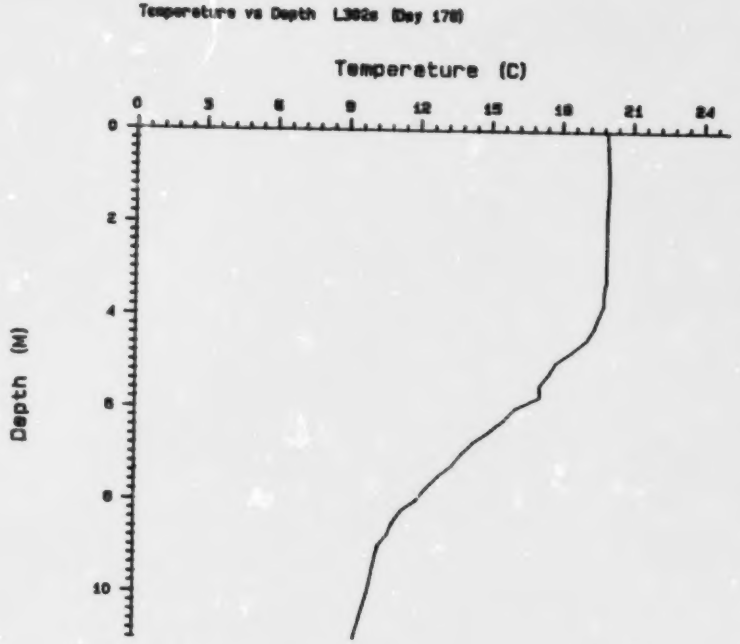

Temperature vs Depth L302n (Day 304)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10 12 14
Depth (M)

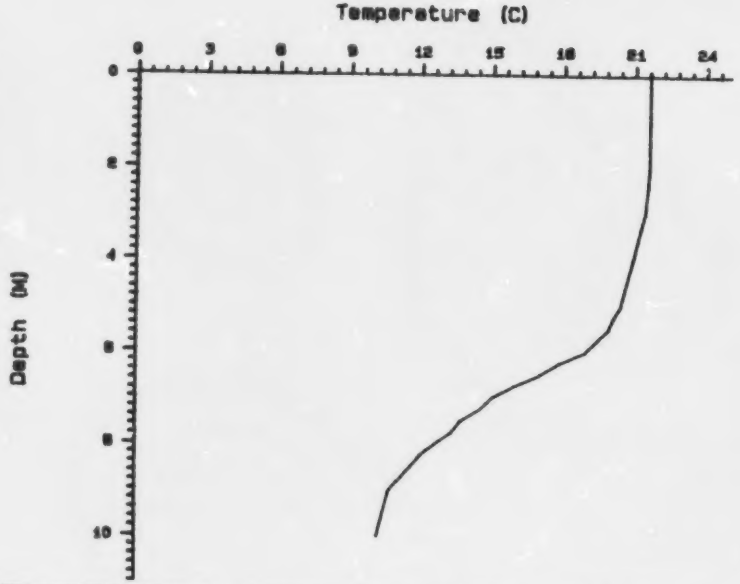

Temperature vs Depth L302s (Day 122)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

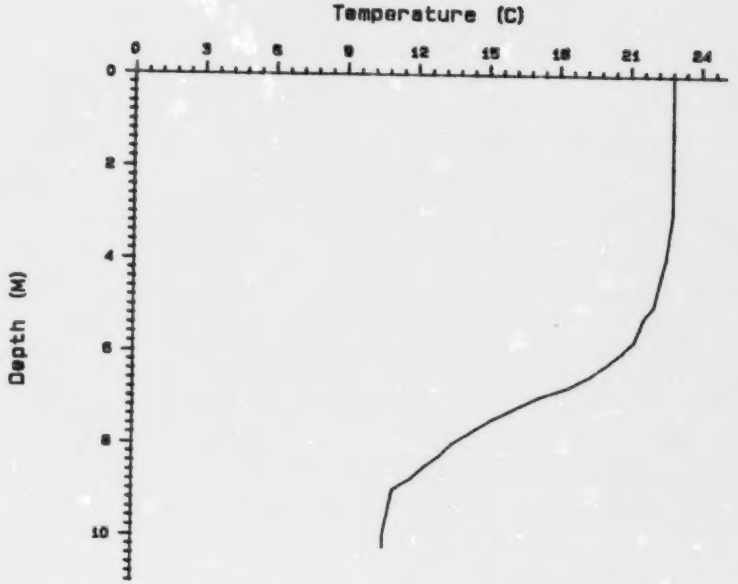

Temperature vs Depth L302s (Day 136)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

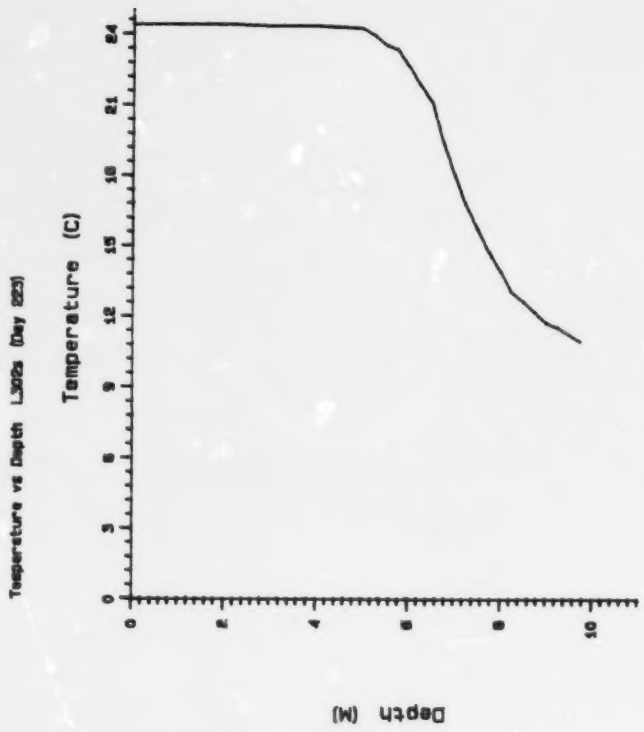

Temperature vs Depth L302s (Day 150)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

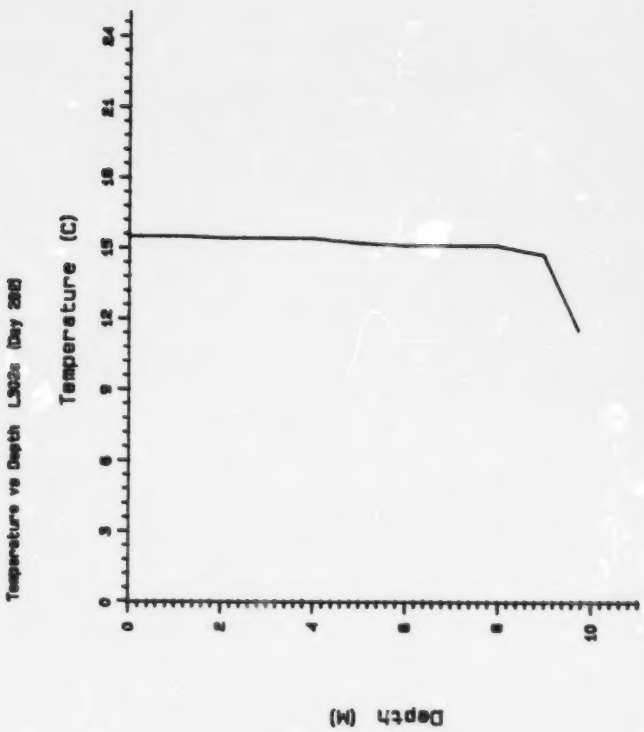

Temperature vs Depth L302s (Day 164)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

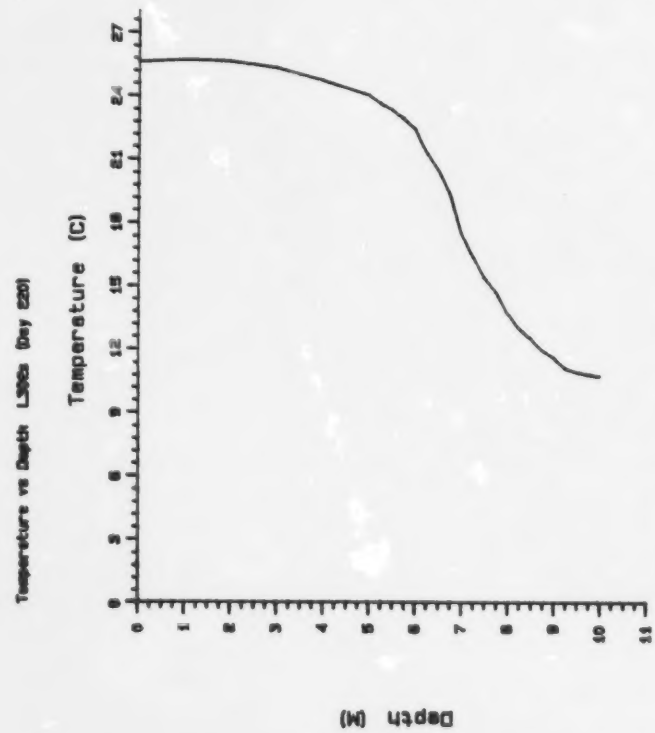

Temperature vs Depth L302s (Day 178)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

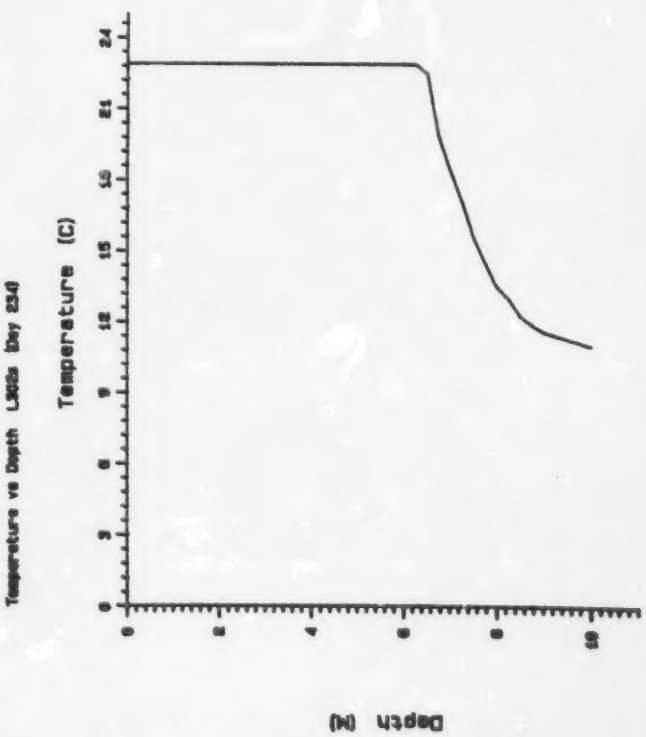

Temperature vs Depth L302s (Day 192)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

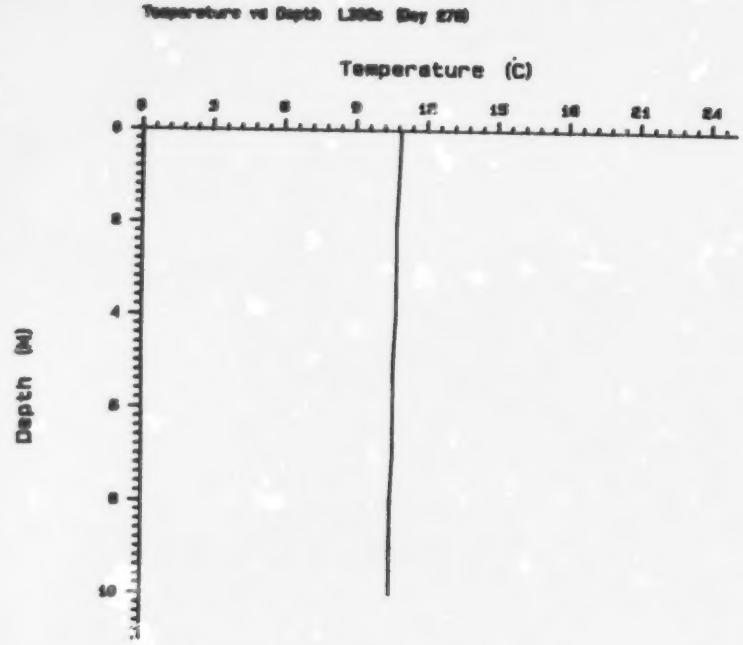

Temperature vs Depth L302s (Day 206)
Temperature (C)
0 3 6 9 12 15 18 21 24
0 2 4 6 8 10
Depth (M)

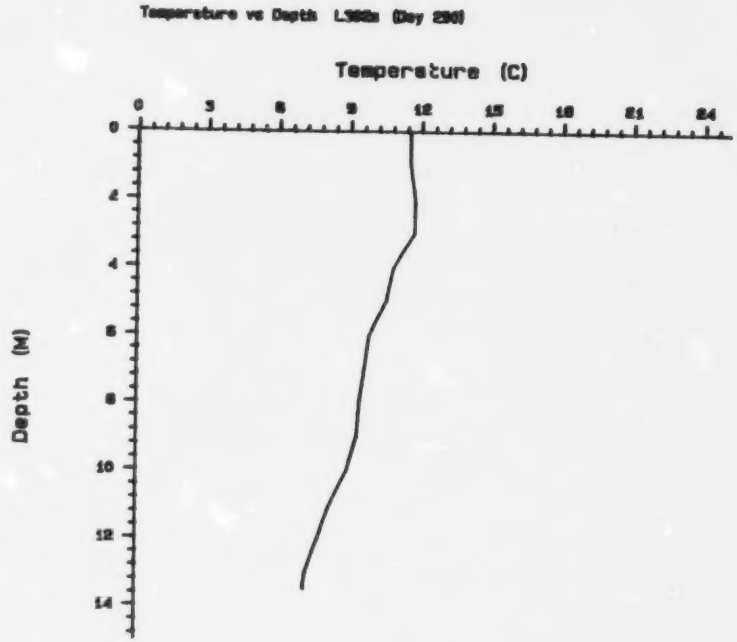

Temperature vs Depth L302s (Day 223)
Temperature (C)
Depth (M)

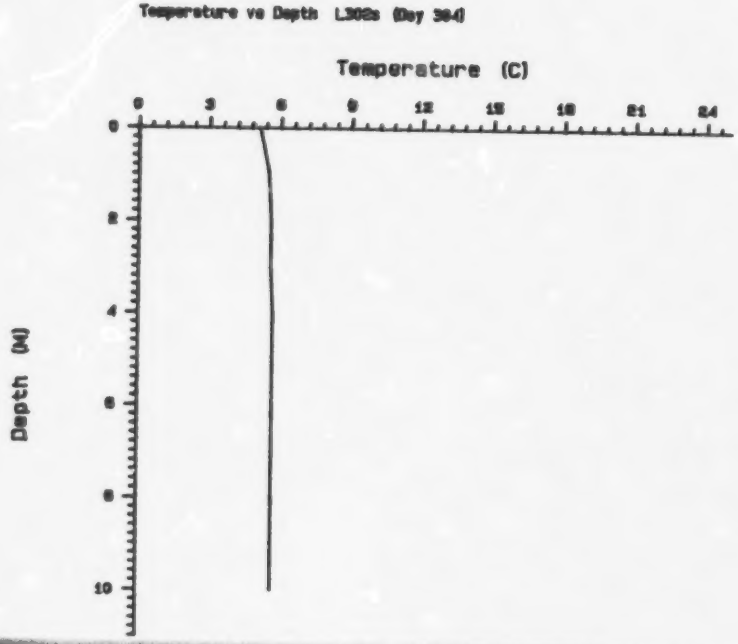

Temperature vs Depth L302s (Day 260)
Temperature (C)
Depth (M)

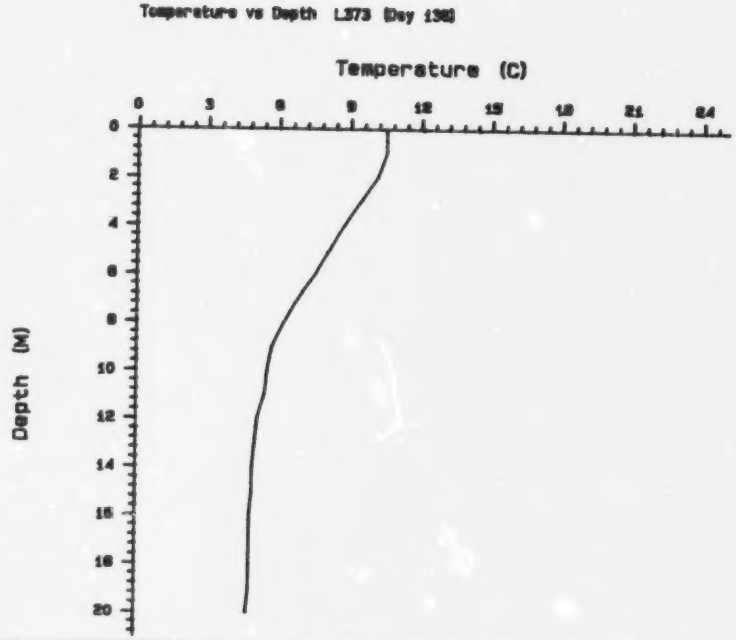

Temperature vs Depth L302s (Day 220)
Temperature (C)
Depth (M)

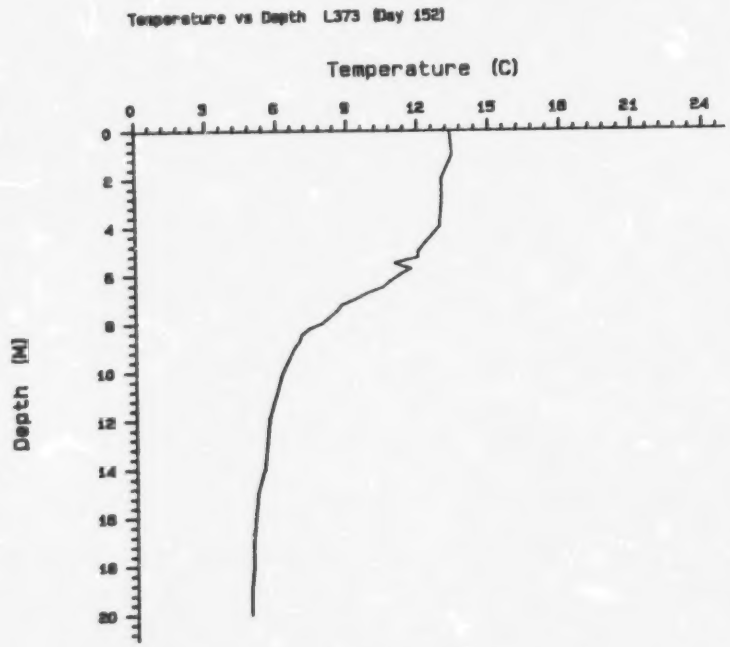

Temperature vs Depth L302s (Day 234)
Temperature (C)
Depth (M)

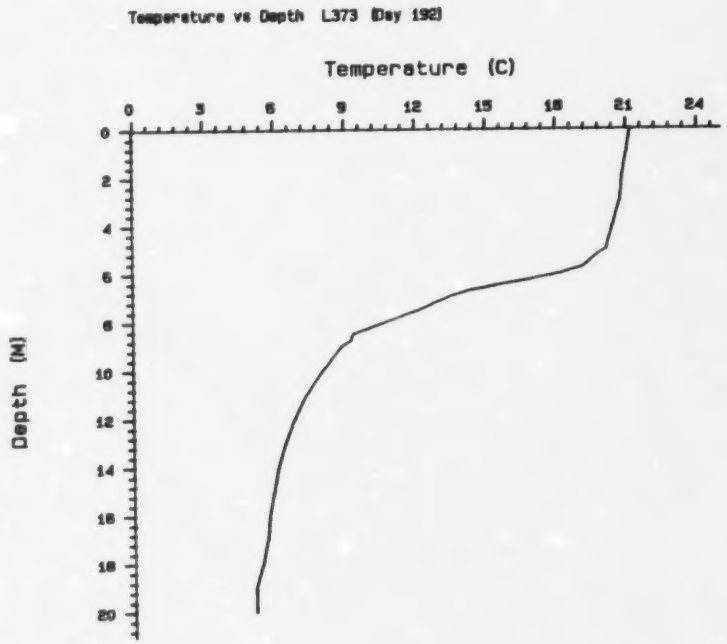

Temperature vs Depth L308s (Day 278)
Temperature (C)
Depth (M)

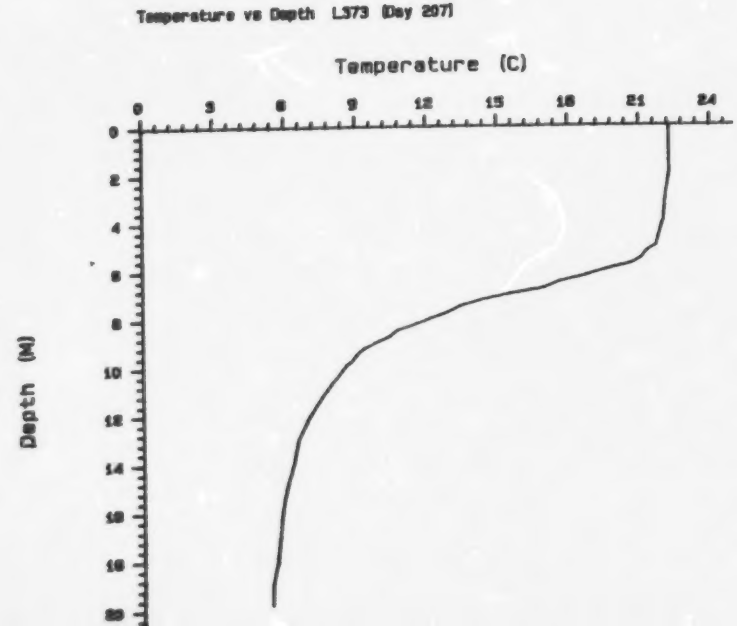

Temperature vs Depth L308s (Day 290)
Temperature (C)
Depth (M)

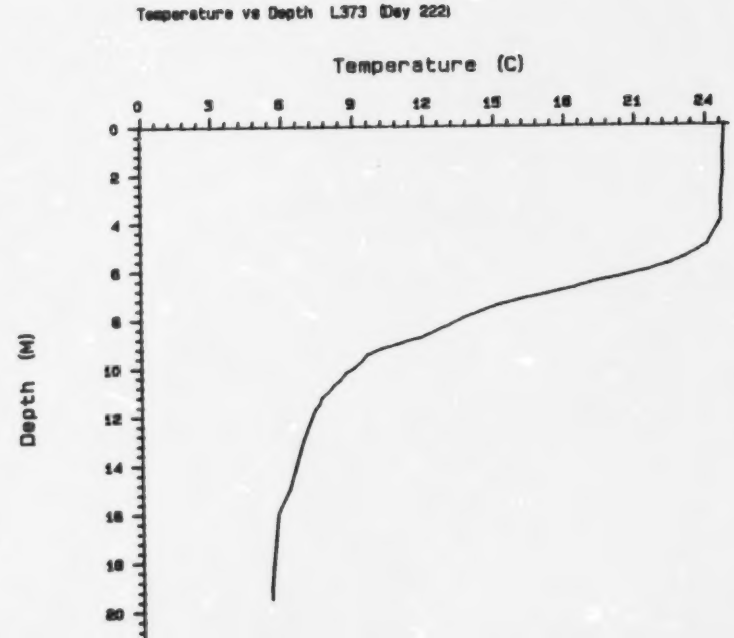

Temperature vs Depth L308s (Day 304)
Temperature (C)
Depth (M)

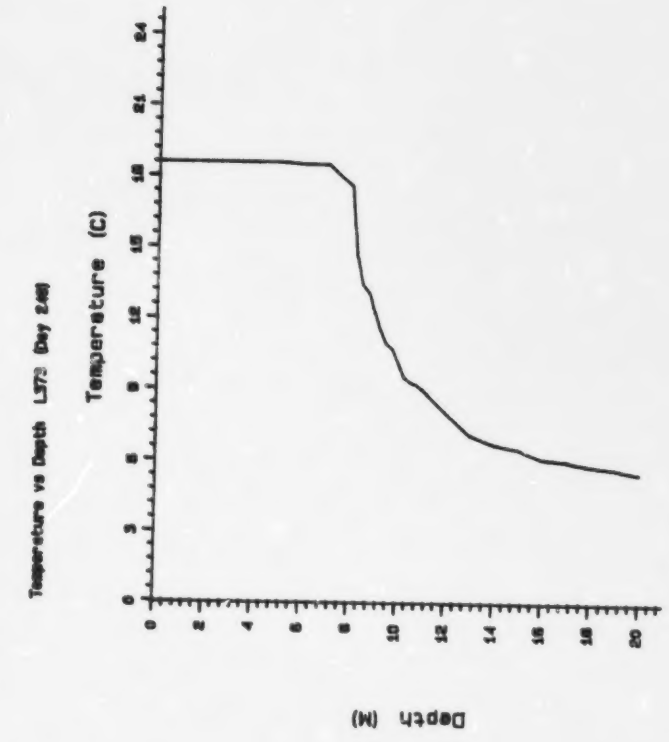

Temperature vs Depth L373 (Day 138)
Temperature (C)
Depth (M)

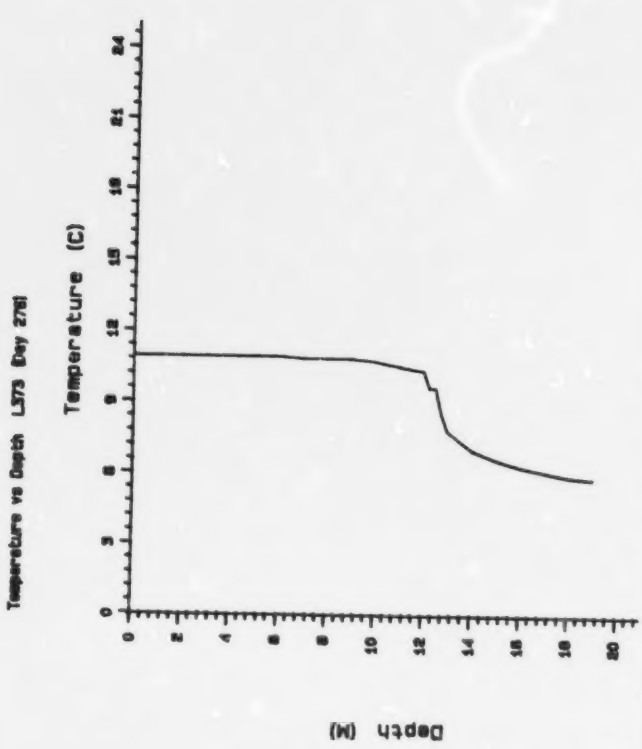

Temperature vs Depth L373 (Day 152)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14 16 18 20

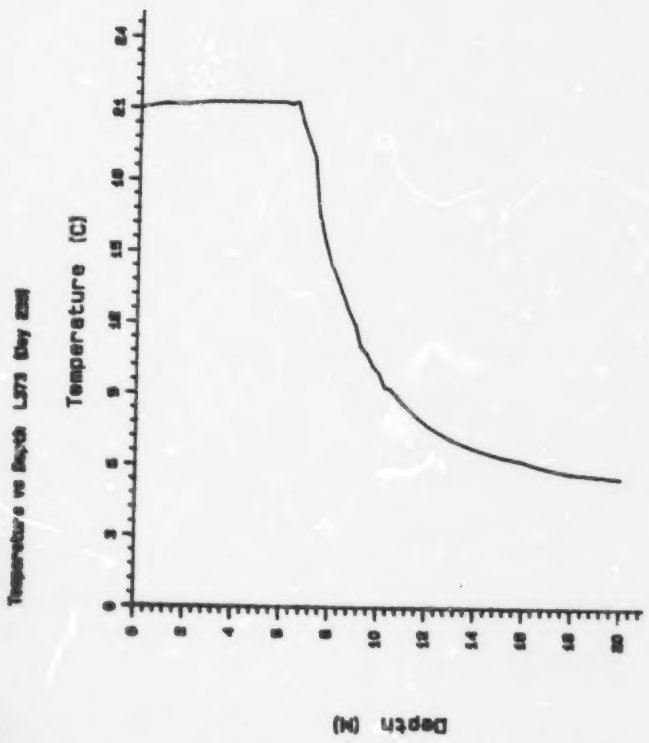

Temperature vs Depth L373 (Day 192)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14 16 18 20

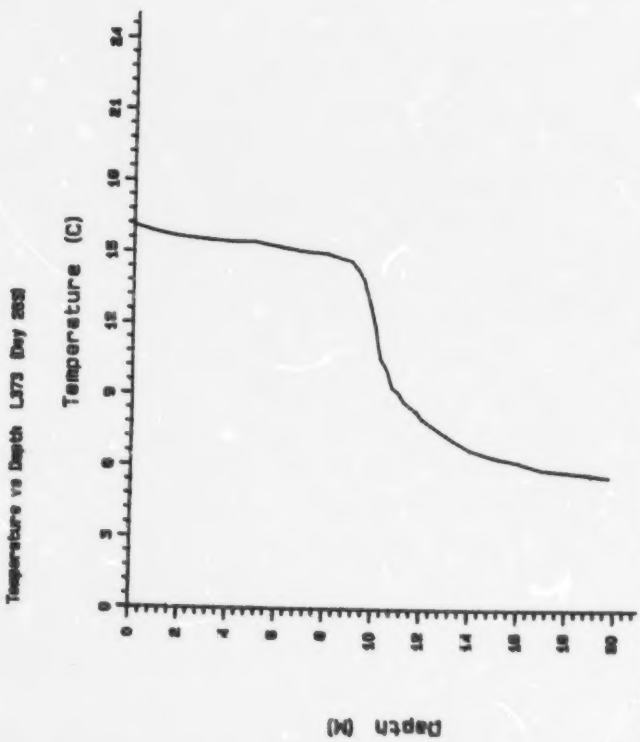

Temperature vs Depth L373 (Day 207)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14 16 18 20

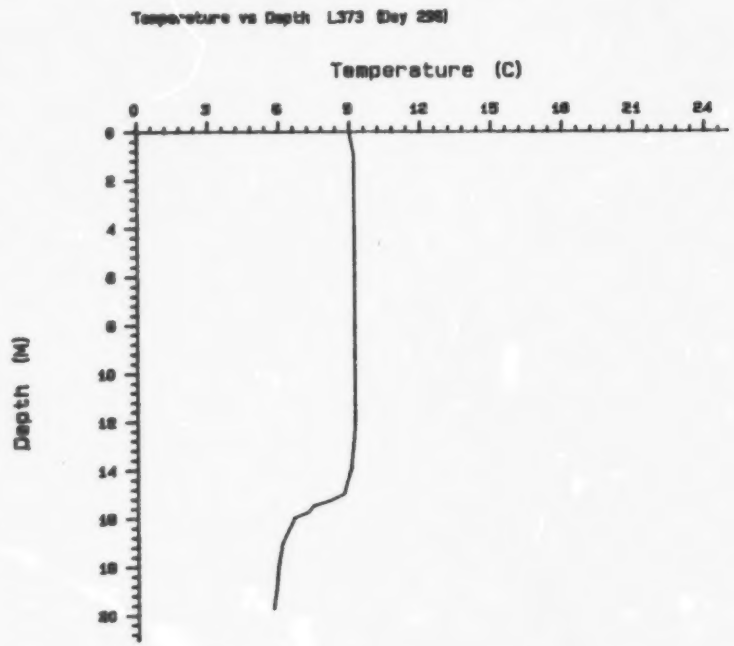

Temperature vs Depth L373 (Day 222)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 2 4 6 8 10 12 14 16 18 20

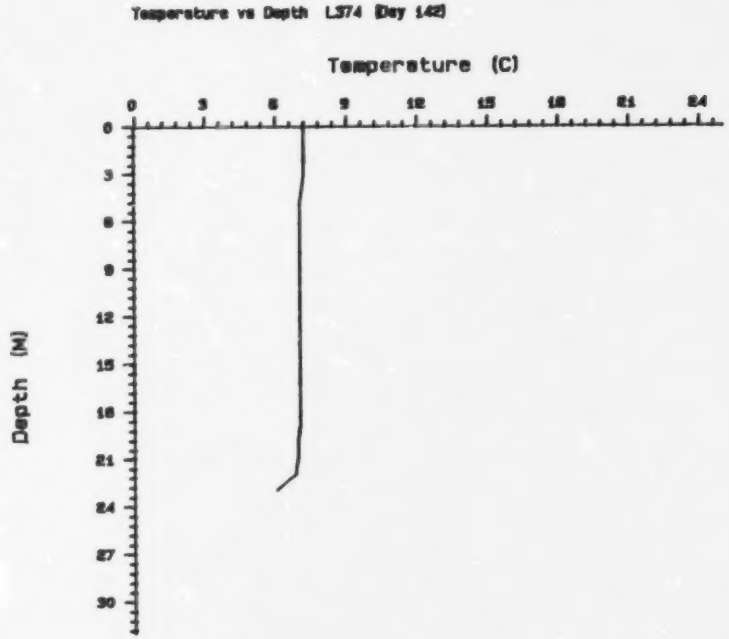

Temperature vs Depth L373 Day 248
Temperature (C)
Depth (M)

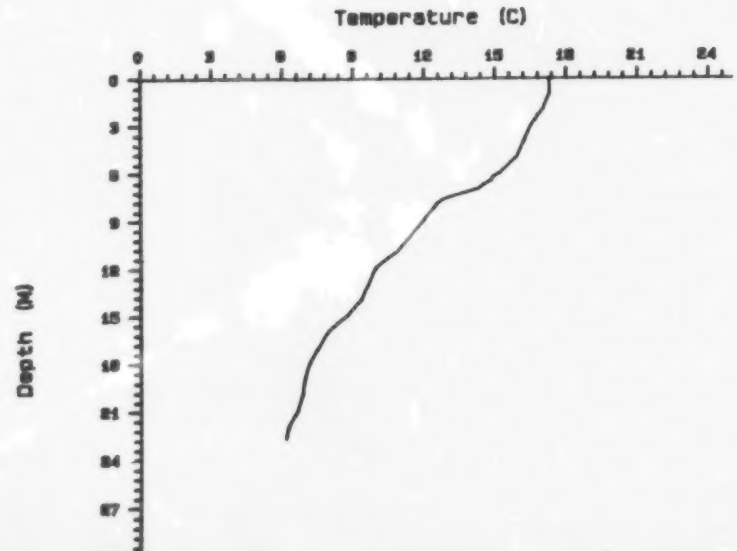

Temperature vs Depth L373 Day 278
Temperature (C)
Depth (M)

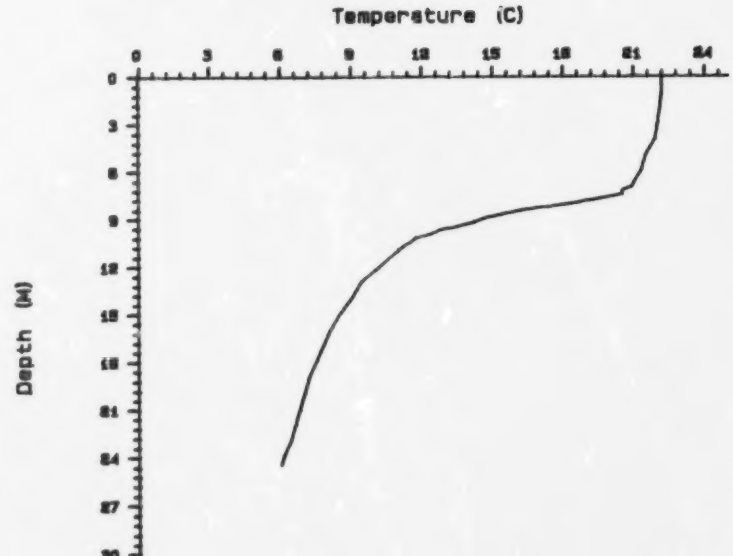

Temperature vs Depth L373 Day 238
Temperature (C)
Depth (M)

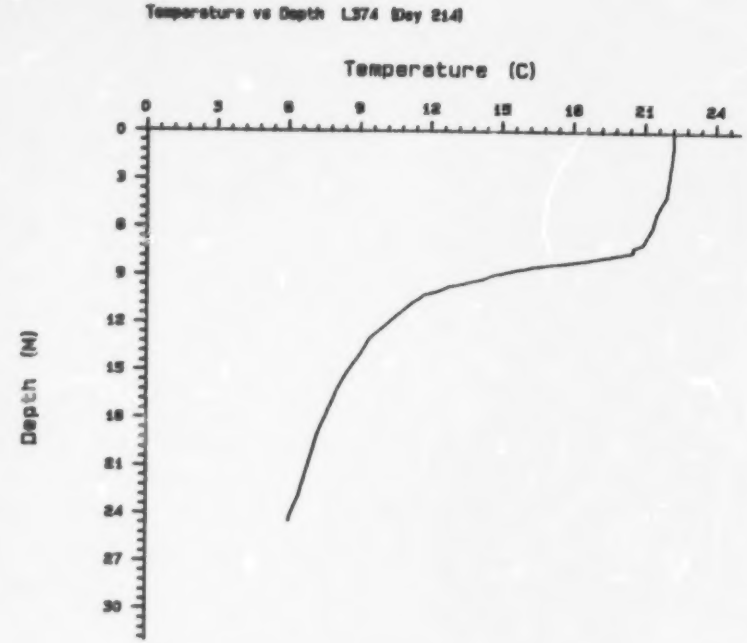

Temperature vs Depth L373 Day 268
Temperature (C)
Depth (M)

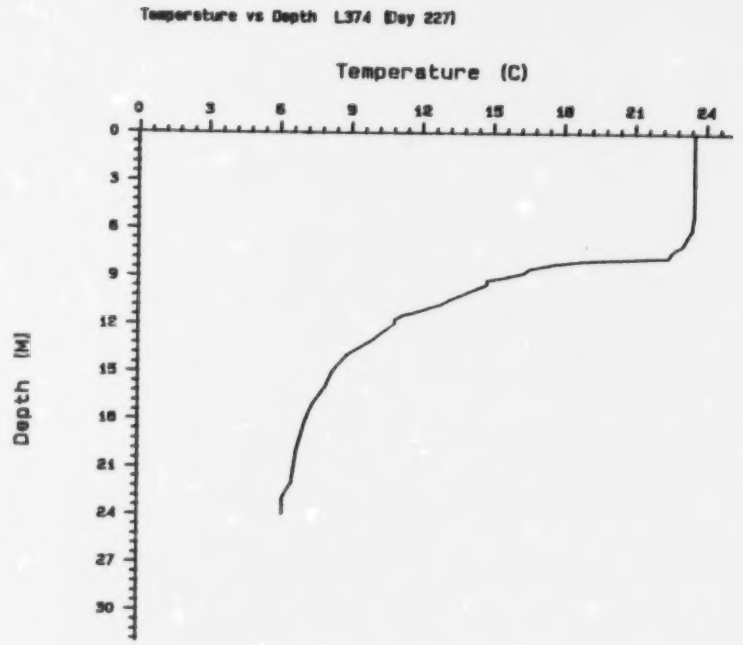

Temperature vs Depth L373 (Day 256)
Temperature (C)
Depth (M)

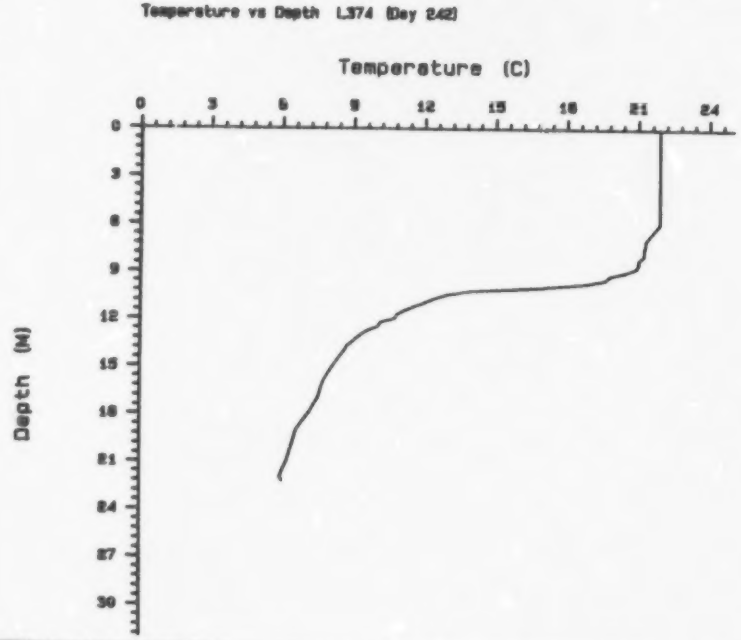

Temperature vs Depth L374 (Day 142)
Temperature (C)
Depth (M)

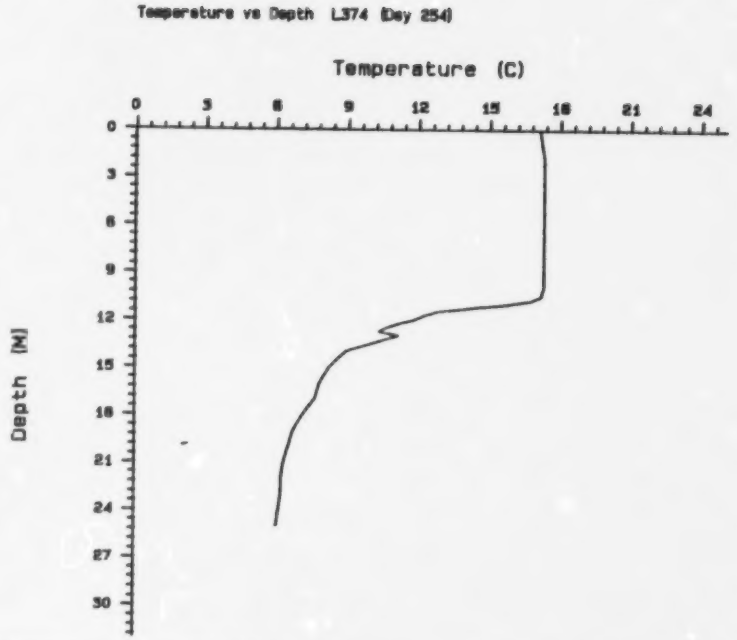

Temperature vs Depth L374 (Day 171)
Temperature (C)
Depth (M)

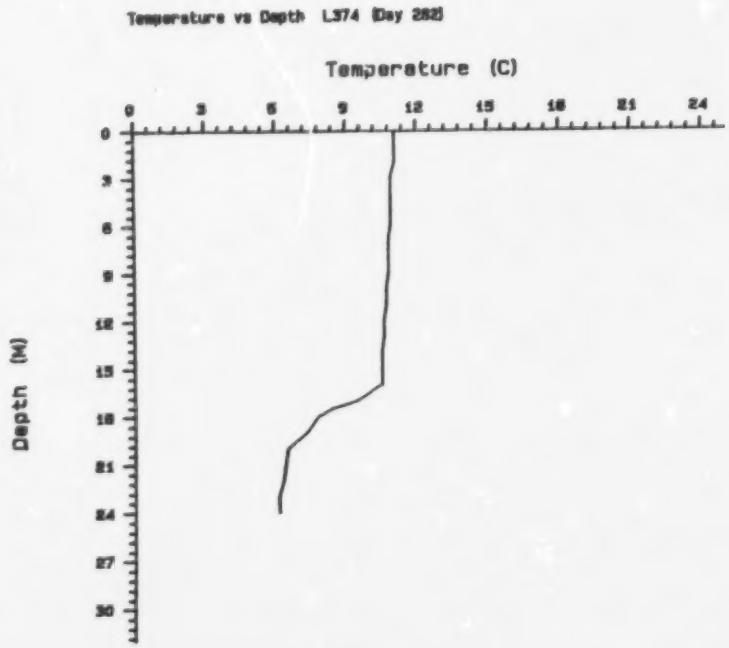

Temperature vs Depth L374 (Day 198)
Temperature (C)
Depth (M)

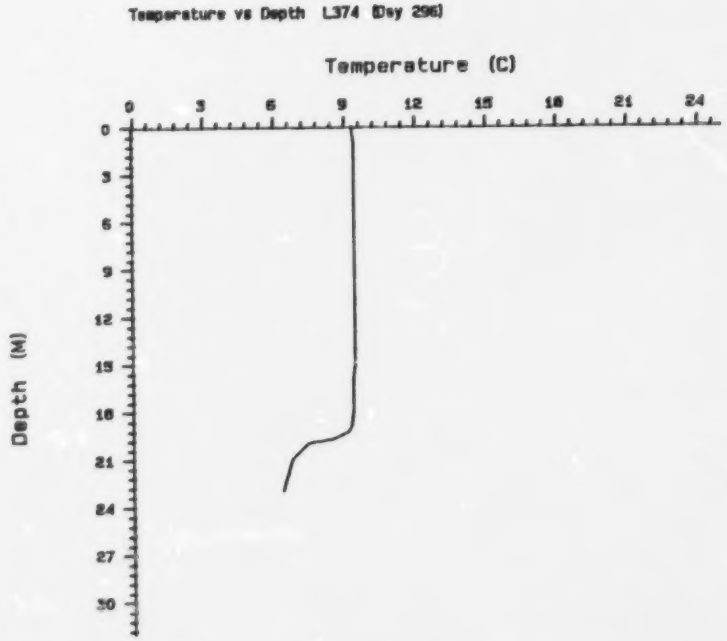

Temperature vs Depth L374 (Day 214)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

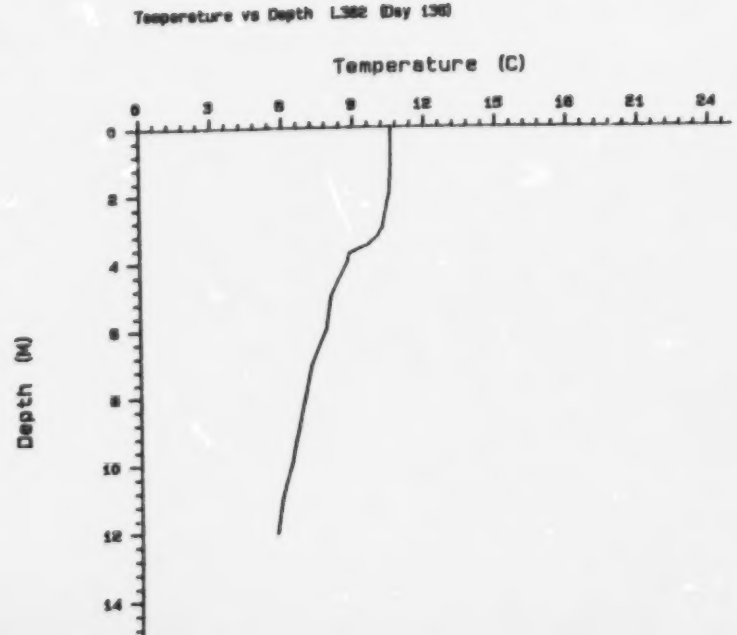

Temperature vs Depth L374 (Day 227)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

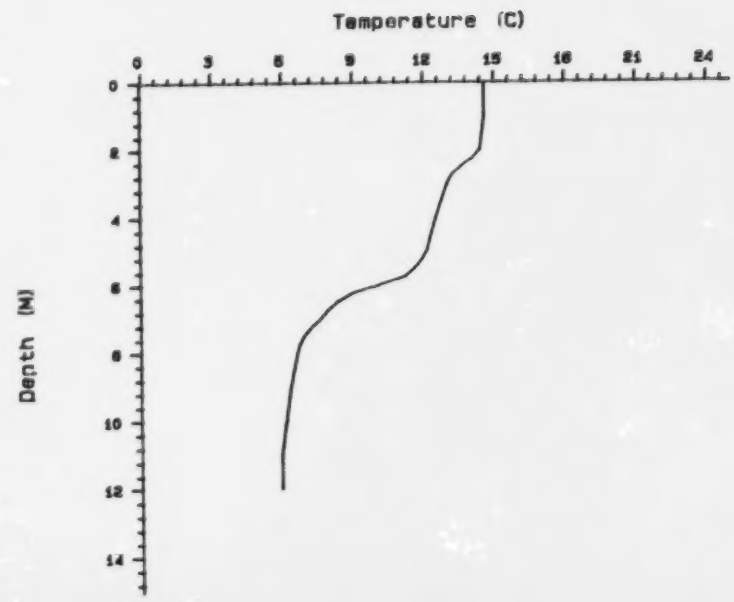

Temperature vs Depth L374 (Day 242)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

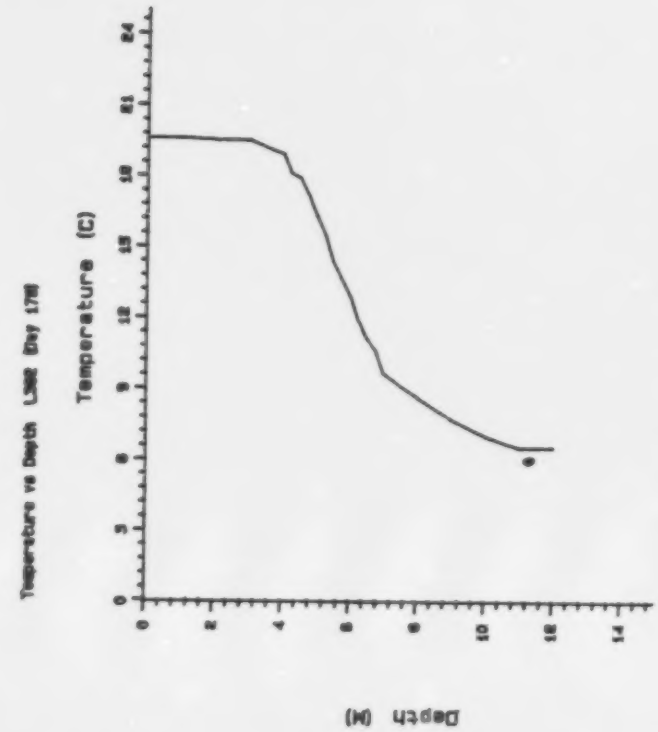

Temperature vs Depth L374 (Day 254)
Temperature (C)
0 3 6 9 12 15 18 21 24
Depth (M)
0 3 6 9 12 15 18 21 24 27 30

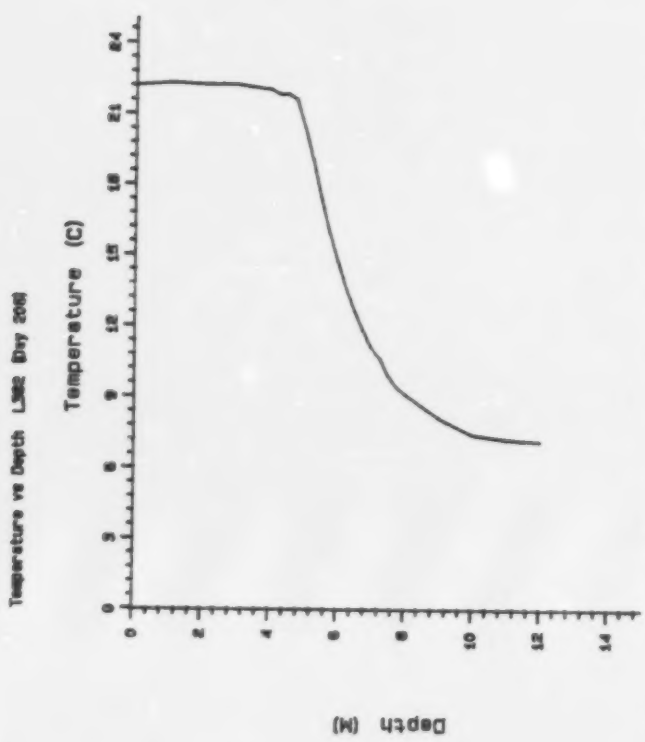

Temperature vs Depth L374 (Day 282)
Temperature (C)
Depth (M)

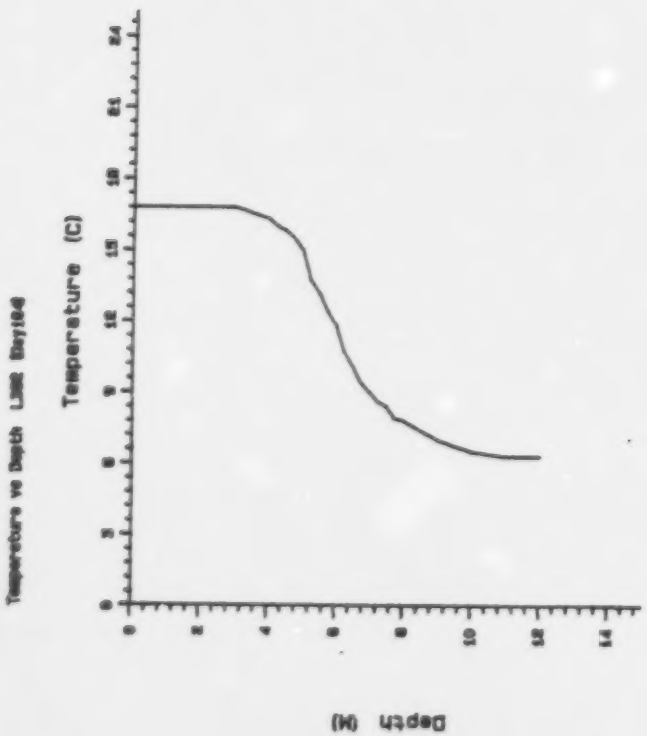

Temperature vs Depth L374 (Day 296)
Temperature (C)
Depth (M)

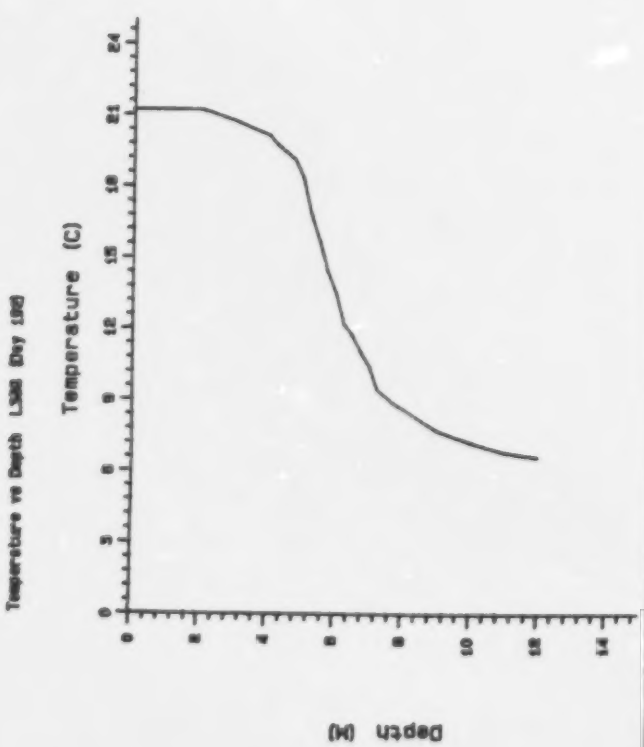

Temperature vs Depth L382 (Day 136)
Temperature (C)
Depth (M)

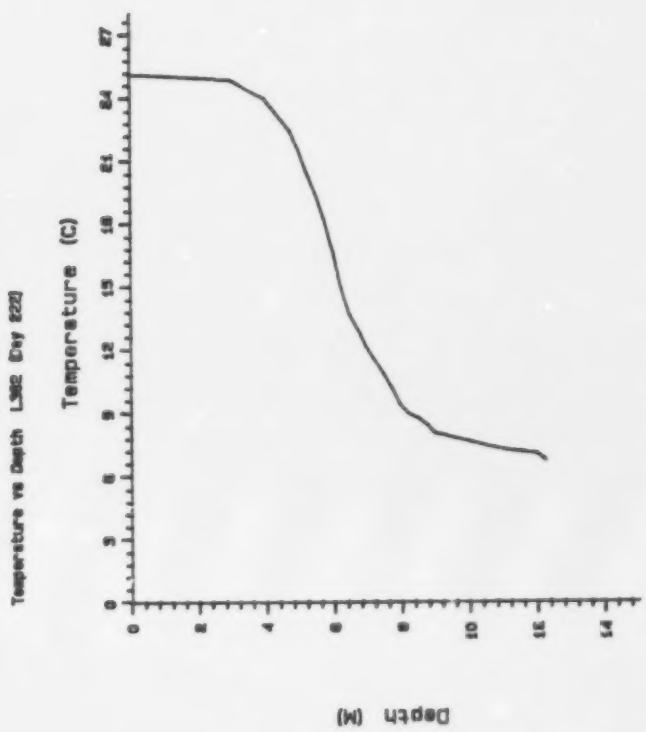

Temperature vs Depth L382 (Day 150)
Temperature (C)
Depth (M)

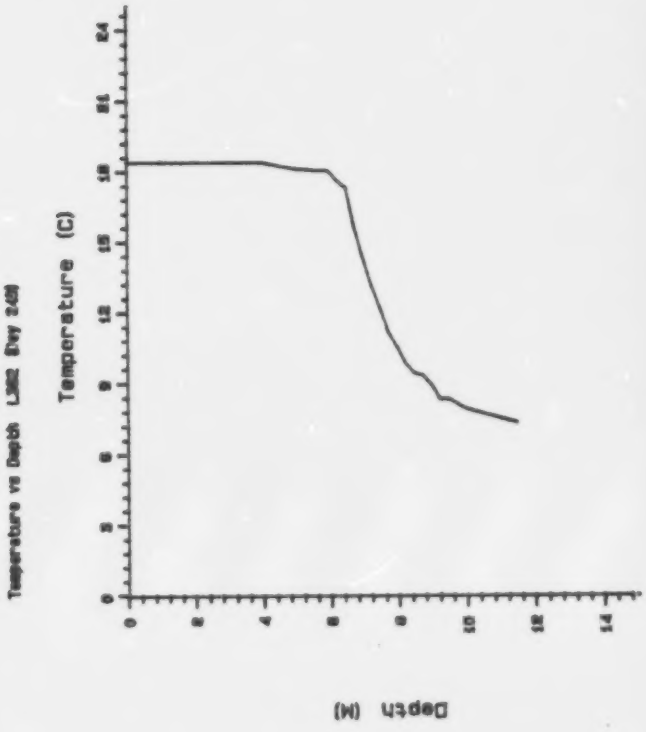

Temperature vs Depth L382 Day 178
Temperature (C)
Depth (M)

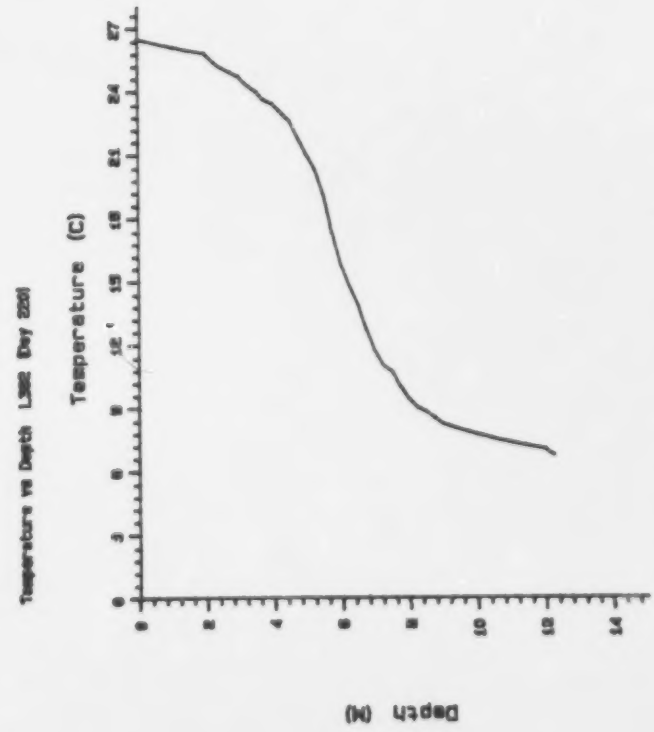

Temperature vs Depth L382 Day 206
Temperature (C)
Depth (M)

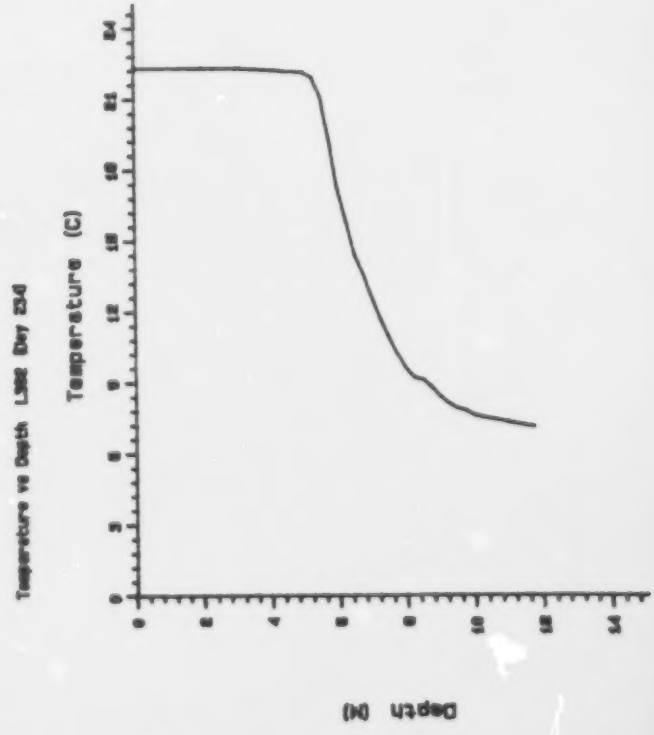

Temperature vs Depth L382 Day184
Temperature (C)
Depth (M)

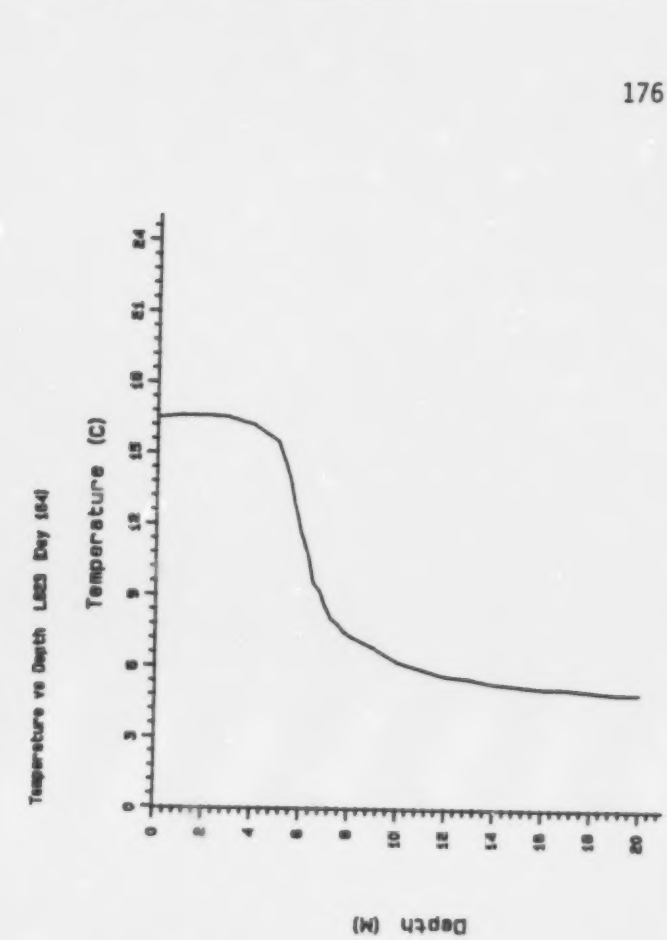

Temperature vs Depth L383 Day 192
Temperature (C)
Depth (M)

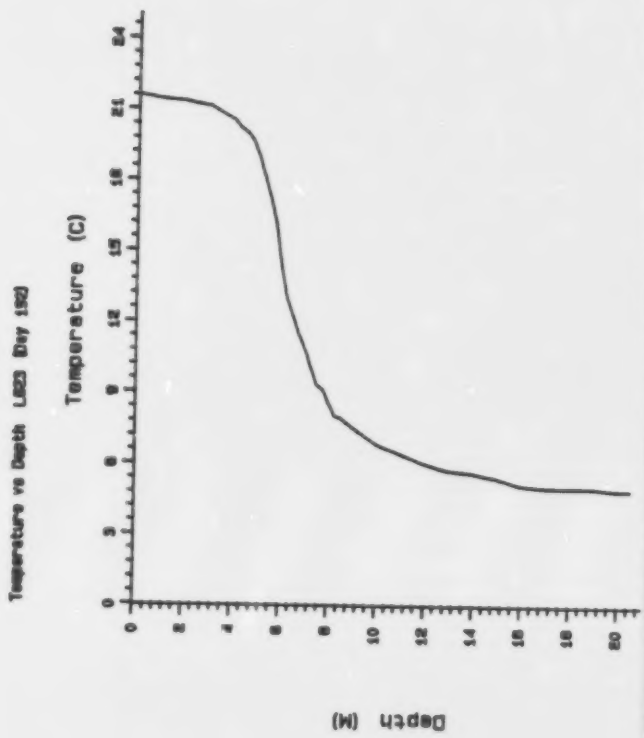

Temperature vs Depth L382 Day 222
Temperature (C)
Depth (M)

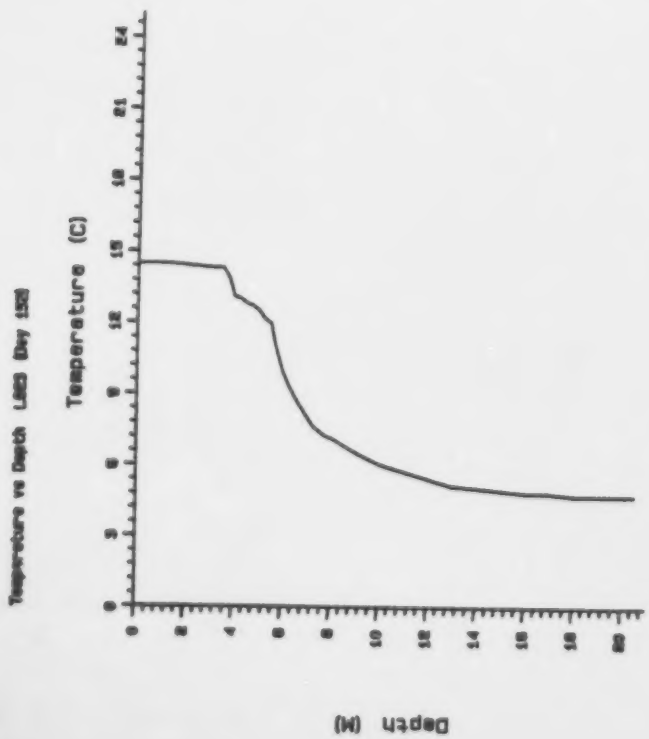

Temperature vs Depth L382 Day 240
Temperature (C)
Depth (M)

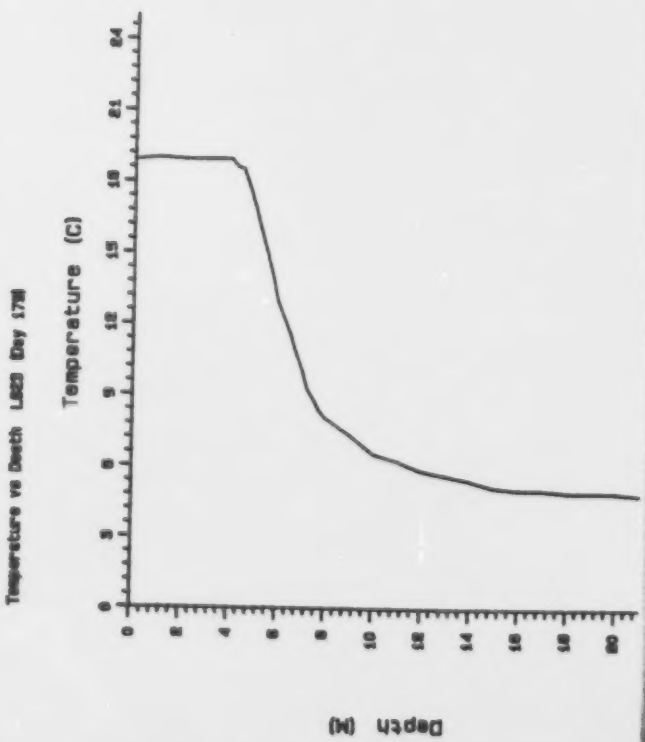

Temperature vs Depth L382 Day 228
Temperature (C)
Depth (M)

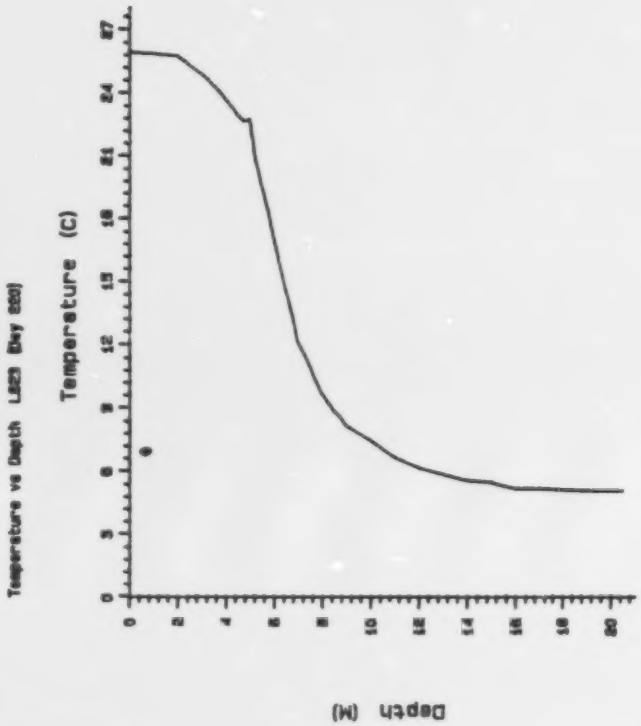

Temperature vs Depth L382 Day 234
Temperature (C)
Depth (M)

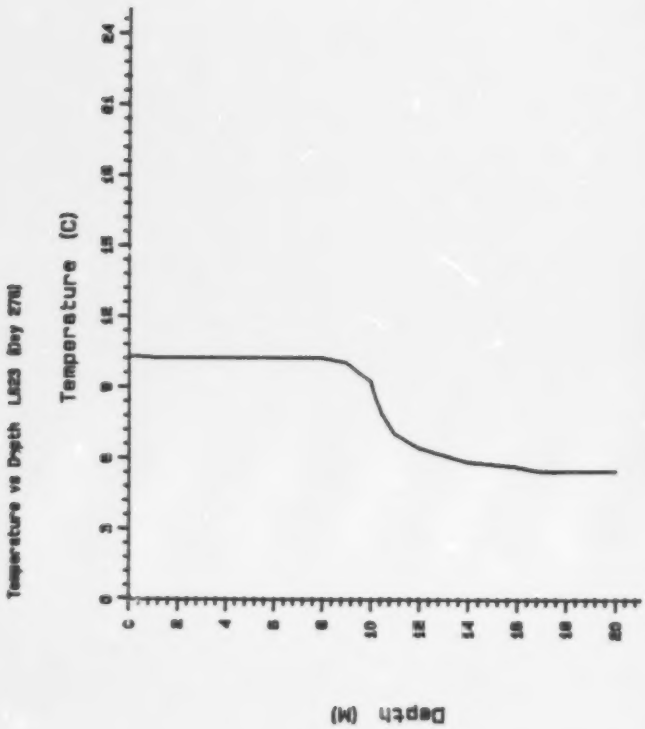

Temperature vs Depth LBJS Day 184
Temperature (C)
Depth (M)

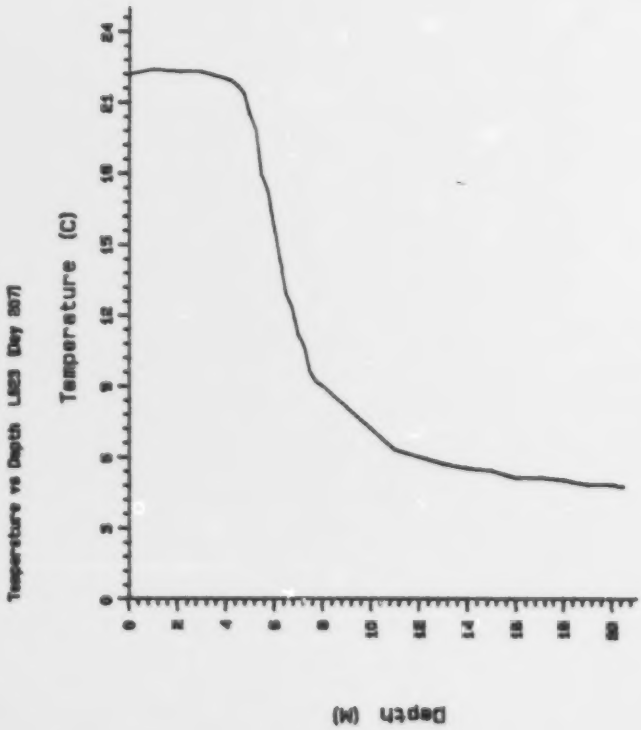

Temperature vs Depth LBJS Day 192
Temperature (C)
Depth (M)

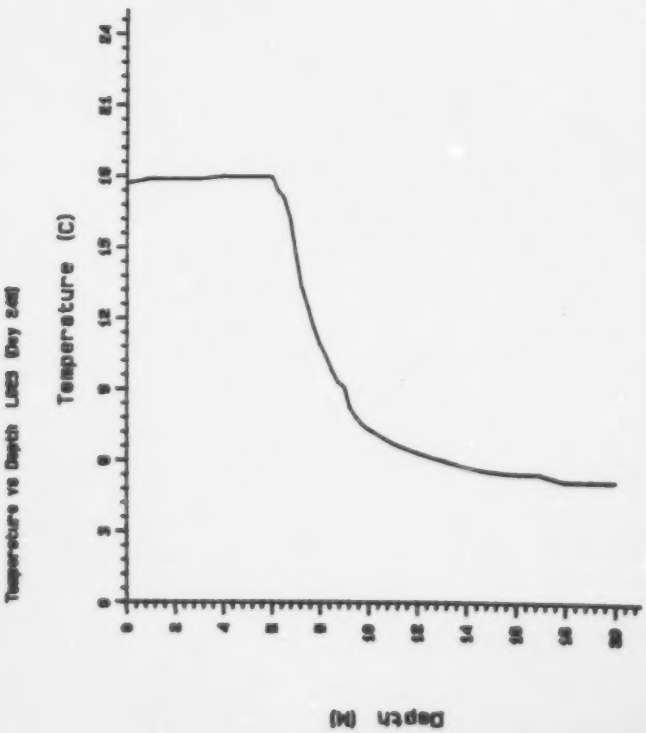

Temperature vs Depth LBJS Day 198
Temperature (C)
Depth (M)

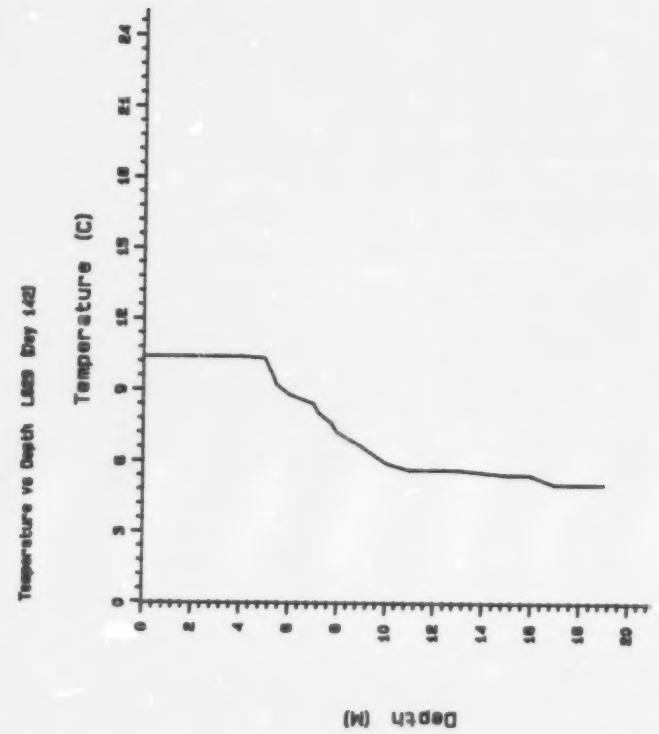

Temperature vs Depth LBJS Day 178
Temperature (C)
Depth (M)

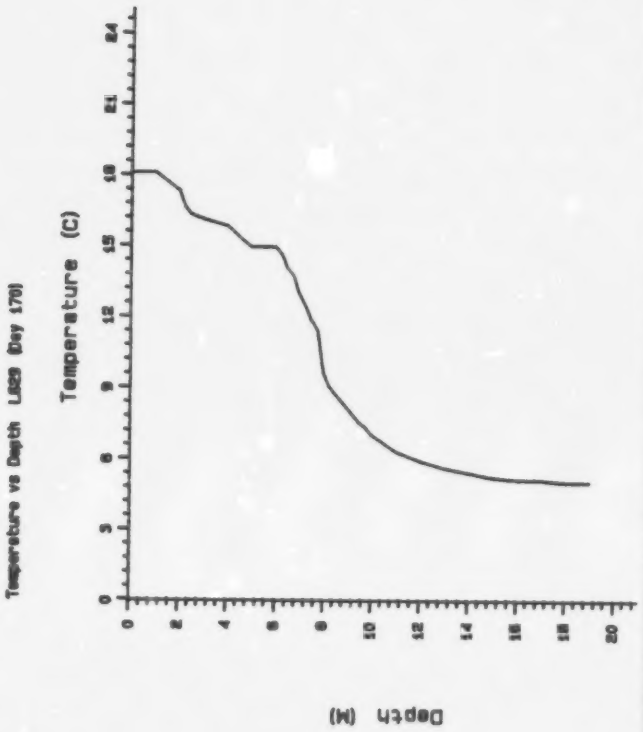

Temperature vs Depth L823 Day 259
Temperature (C)
Depth (M)

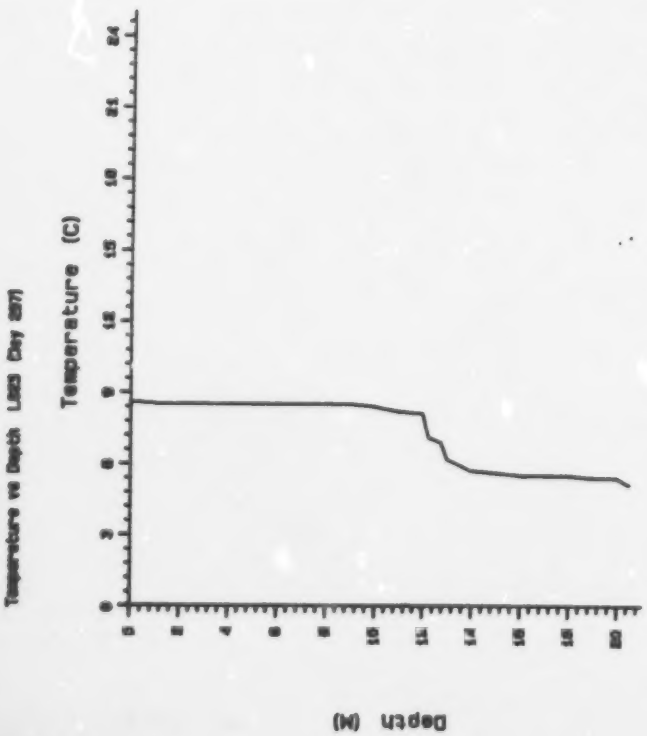

Temperature vs Depth L823 Day 270
Temperature (C)
Depth (M)

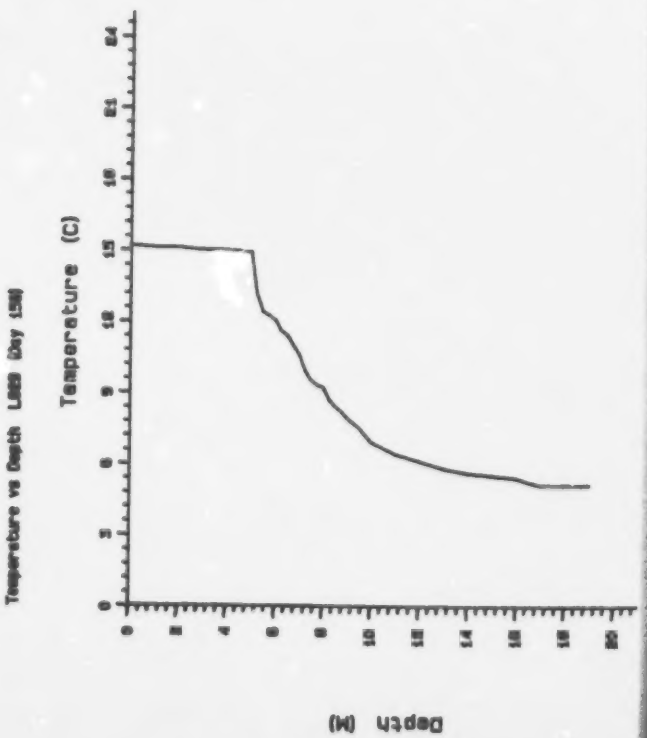

Temperature vs Depth L823 Day 237
Temperature (C)
Depth (M)

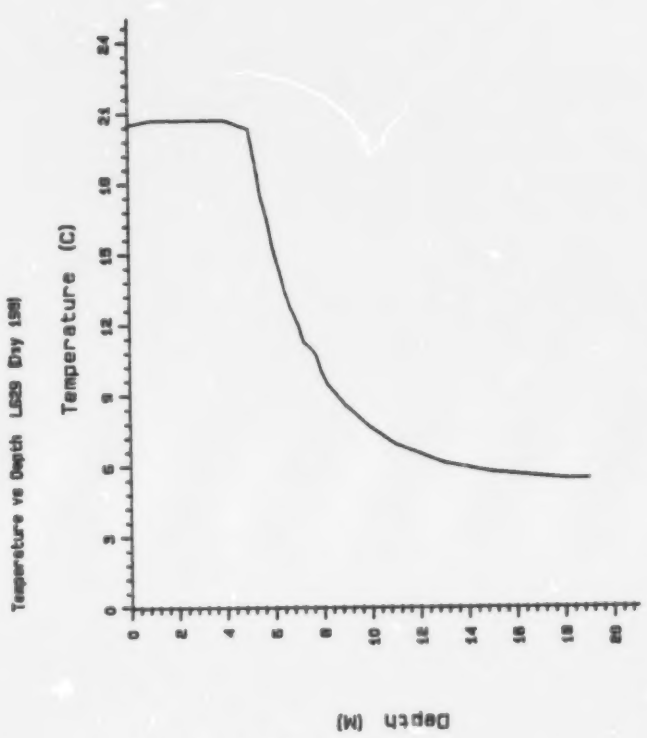

Temperature vs Depth L823 Day 248
Temperature (C)
Depth (M)

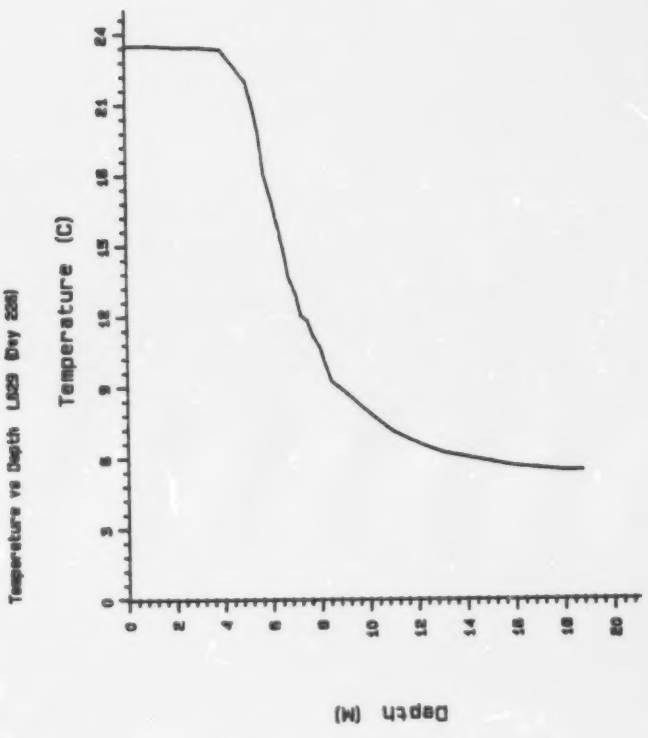

Temperature vs Depth L&S3 Day 142
Temperature (C)
Depth (M)

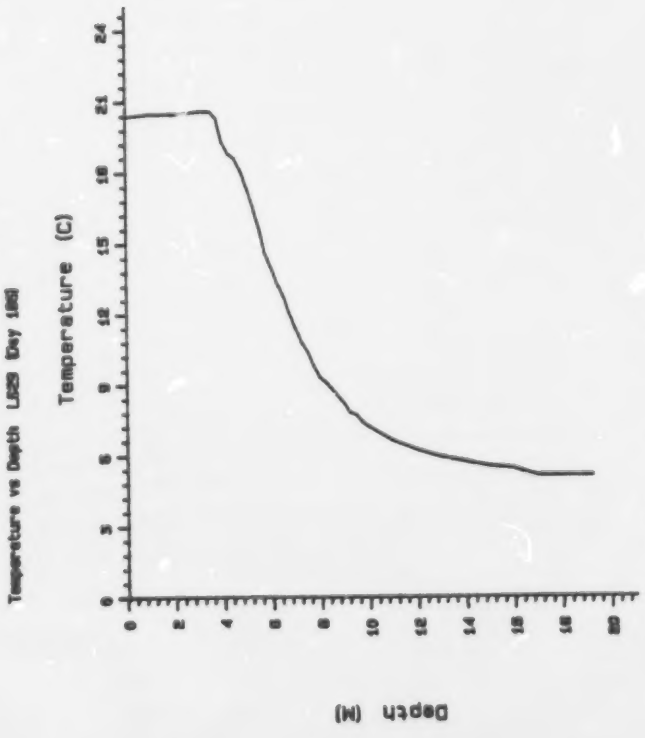

Temperature vs Depth L&S3 Day 170
Temperature (C)
Depth (M)

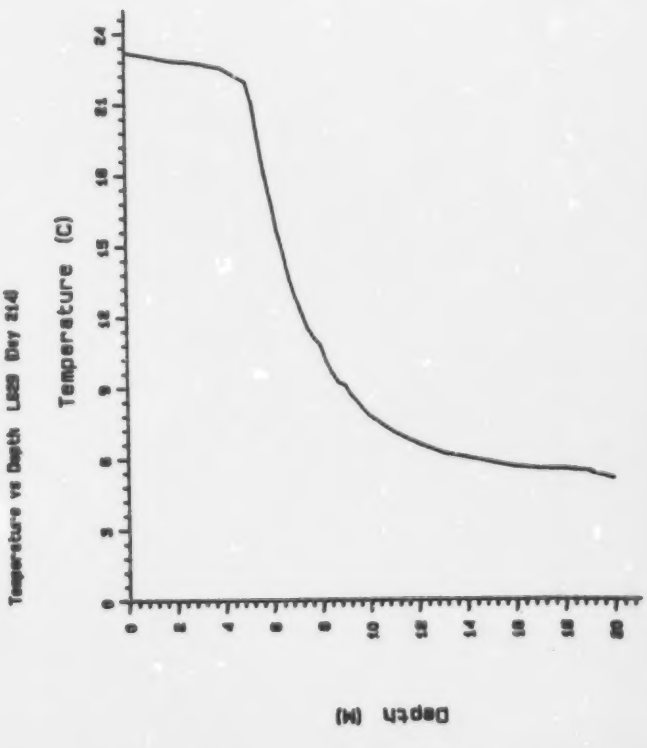

Temperature vs Depth L&S3 Day 207
Temperature (C)
Depth (M)

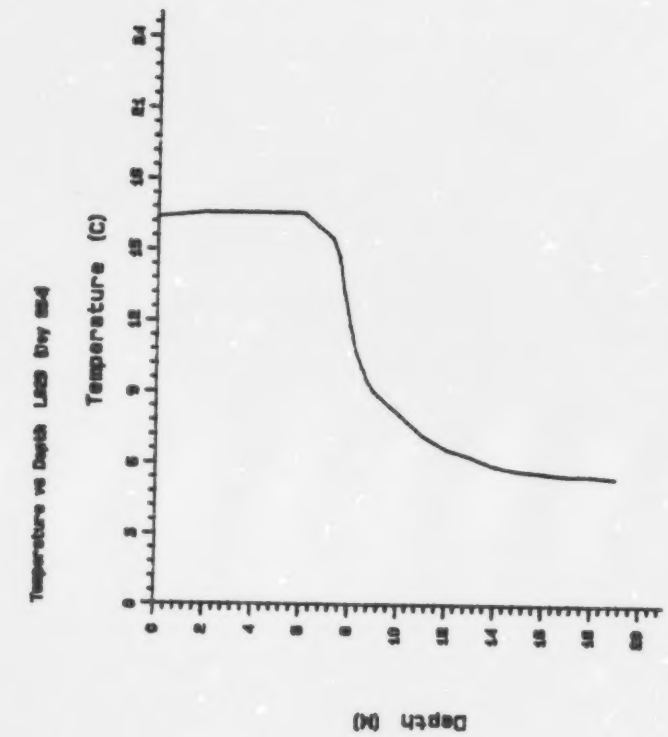

Temperature vs Depth L&S3 Day 238
Temperature (C)
Depth (M)

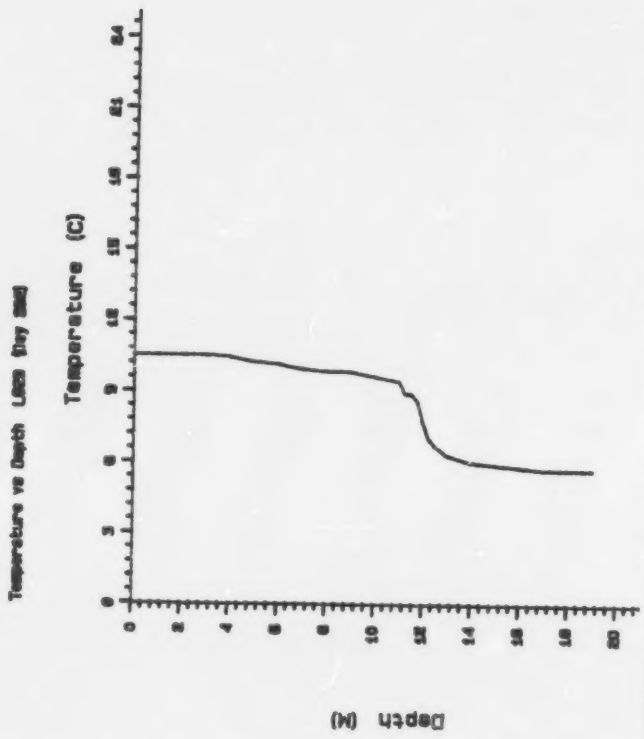

Temperature vs Depth LS29 Day 151
Temperature (C)
Depth (M)

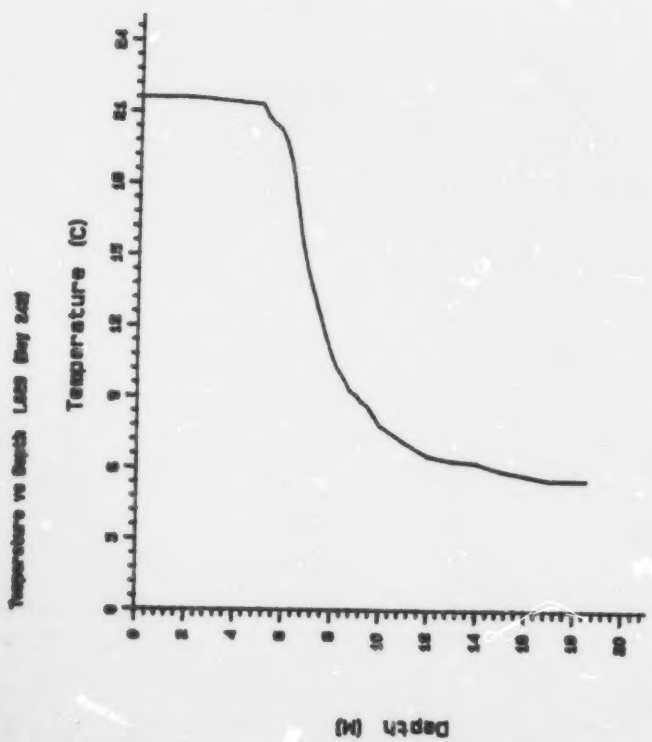

Temperature vs Depth LS29 Day 206
Temperature (C)
Depth (M)

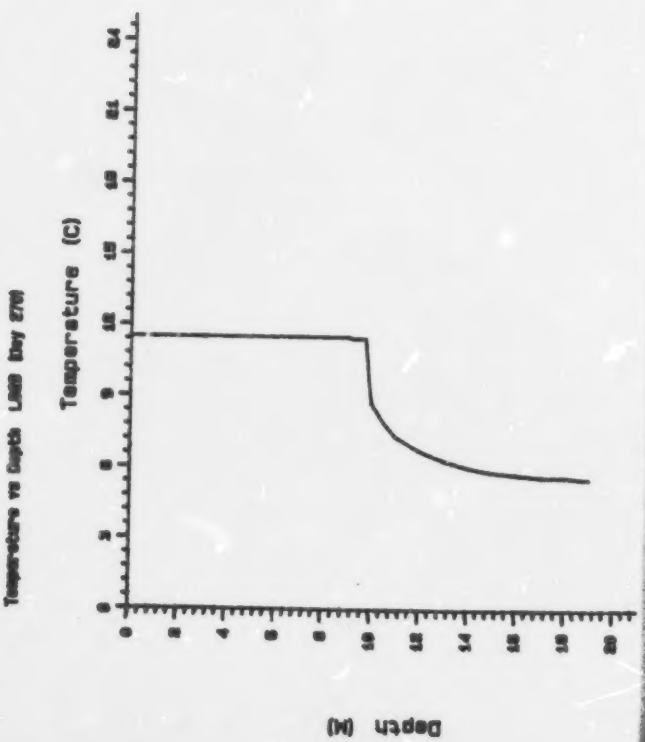

Temperature vs Depth LS29 Day 185
Temperature (C)
Depth (M)

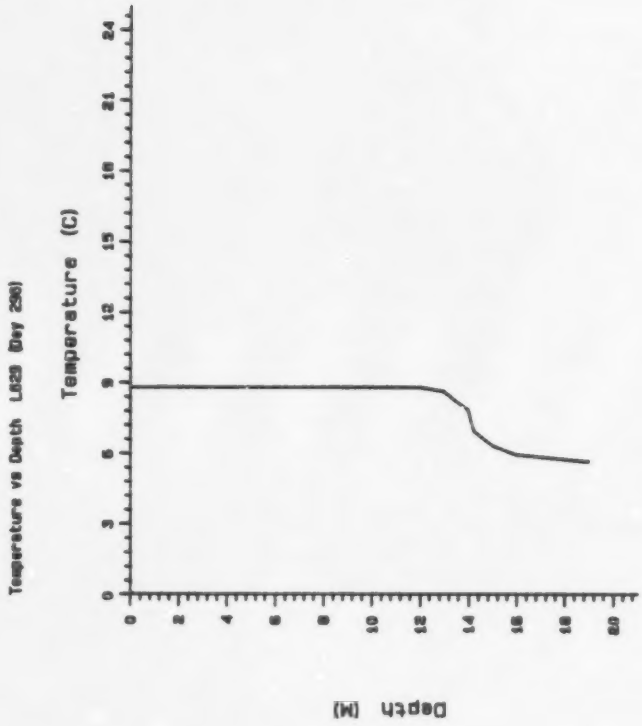

Temperature vs Depth LS29 Day 214
Temperature (C)
Depth (M)


Temperature vs Depth Lake Day 154
Temperature (C)
Depth (M)


Temperature vs Depth Lake Day 188
Temperature (C)
Depth (M)


Temperature vs Depth Lake Day 240
Temperature (C)
Depth (M)


Temperature vs Depth Lake Day 270
Temperature (C)
Depth (M)


Temperature vs Depth L823 (Day 236)
Temperature (C)
0
3
6
9
12
15
18
21
24
0
2
4
6
8
10
12
14
16
18
20
Depth (M)

APPENDIX C

Summary of planar thermocline data.

Lake 93

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
158	1984	16.3	16.3	2.6	3.4
170	1984	19.7	19.7	1.9	3.9
186	1984	21.2	21.3	2.9	3.1
198	1984	21.4	21.4	3.1	3.9
214	1984	23.3	22.8	3.1	4.1
226	1984	23.7	23.5	3.1	3.9
242	1984	21.6	21.7	3.4	4.6
254	1984	15.8	16.0	5.1	5.1
270	1984	10.7	10.8	8.0	.5
282	1984	10.5	10.5	2.5	2.5

Lake 109

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
135	1984	10.6	10.4	10.0	4.5
152	1984	14.9	14.5	3.5	5.9
163	1984	16.1	16.1	5.4	5.4
179	1984	19.0	19.0	4.4	5.6
191	1984	21.3	21.1	5.1	6.9
207	1984	22.8	22.8	4.6	5.9
219	1984	25.0	24.9	4.1	6.1
235	1984	21.6	21.7	6.4	6.6
247	1984	18.8	18.8	7.1	7.4
263	1984	16.7	16.6	8.6	9.4
275	1984	10.9	11.0	9.3	.5

Lake 110

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
135	1984	11.5	11.2	2.4	2.4
152	1984	15.2	15.1	3.1	4.4
163	1984	16.5	16.5	4.1	4.4
191	1984	21.3	21.3	3.1	4.9
207	1984	23.0	23.0	3.1	5.4
219	1984	25.1	25.1	3.1	4.9
235	1984	21.4	21.4	5.1	5.1
247	1984	17.9	17.9	5.9	5.9
263	1984	16.2	15.6	7.1	7.6
275	1984	10.0	10.0	9.1	9.4
297	1984	7.8	7.9	12.3	12.3

Lake 114

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
121	1984	6.5	6.6	4.0	.5
135	1984	12.0	12.0	4.5	4.5
149	1984	13.9	14.0	4.6	4.6
163	1984	18.0	17.9	4.5	4.5
177	1984	19.9	19.8	4.5	4.5
191	1984	22.3	22.2	3.1	3.6
205	1984	22.5	22.7	3.4	3.6
219	1984	27.9	27.8	2.4	3.1
233	1984	23.2	23.2	4.3	4.3
247	1984	16.6	16.5	4.5	.5
261	1984	13.3	13.1	4.8	4.4
289	1984	13.3	13.3	4.0	.5

Lake 222

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
128	1984	10.6	10.7	1.6	1.6
142	1984	13.2	13.1	2.1	2.9
156	1984	17.9	17.9	2.4	2.9
169	1984	19.9	19.9	1.4	3.1
184	1984	22.7	22.6	1.1	3.1
198	1984	21.5	21.5	2.1	3.1
212	1984	23.4	23.4	2.1	3.1
226	1984	23.5	23.5	2.1	3.1
240	1984	22.6	22.5	2.1	4.1
254	1984	15.6	15.8	4.1	4.6
268	1984	12.0	12.3	5.1	5.1

Lake 223

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
121	1984	6.1	6.1	14.0	1.5
135	1984	9.2	9.2	14.0	4.5
149	1984	12.4	12.4	5.5	7.1
163	1984	16.0	15.9	5.5	6.1
170	1984	19.9	19.9	1.4	3.1
177	1984	18.7	18.7	5.1	6.4
191	1984	20.5	20.4	6.1	6.9
205	1984	21.8	21.9	6.1	6.9
219	1984	24.5	24.5	6.1	6.6
233	1984	23.0	23.0	7.4	7.4
246	1984	19.3	19.3	9.1	9.1
261	1984	15.5	15.6	10.1	11.1
275	1984	11.7	11.7	14.0	10.5
289	1984	13.0	12.6	14.0	.5

Lake 224

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
135	1984	9.3	9.3	26.0	7.5
149	1984	12.7	12.3	6.5	7.4
163	1984	15.6	15.6	6.1	6.9
177	1984	18.9	18.9	5.1	7.1
191	1984	20.5	20.4	3.5	6.1
205	1984	21.9	21.9	6.4	6.9
219	1984	24.5	24.4	6.1	6.9
233	1984	22.8	22.9	7.4	7.9
247	1984	18.8	18.8	9.1	9.1
261	1984	16.0	15.9	10.9	11.1
275	1984	11.5	11.7	13.1	13.9
303	1984	7.4	7.6	25.0	20.5

Lake 226 N

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
143	1984	13.0	13.0	3.1	4.1
158	1984	16.8	16.8	3.6	5.1
171	1984	19.3	19.3	2.1	4.9
186	1984	21.7	21.7	3.1	5.4
199	1984	20.5	20.7	4.1	4.1
214	1984	23.1	23.1	3.6	5.1
228	1984	23.5	23.6	3.9	4.6
242	1984	22.1	22.1	4.1	5.1
255	1984	16.3	16.2	6.1	6.6
271	1984	10.2	10.4	8.1	8.6
304	1984	5.0	5.1	14.0	.5

Lake 226 S

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
143	1984	13.1	13.0	3.1	3.9
158	1984	16.8	16.8	3.4	3.4
171	1984	19.4	19.4	1.6	4.9
186	1984	21.7	21.7	3.1	4.1
199	1984	20.8	20.8	3.9	4.1
214	1984	23.4	23.4	3.1	4.9
228	1984	23.2	23.4	3.9	4.1
242	1984	21.9	21.9	4.1	4.9
255	1984	15.8	16.0	5.4	5.9
271	1984	10.5	10.5	8.1	8.1
304	1984	5.1	5.1	11.5	1.5

Lake 227

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
129	1984	8.2	8.2	2.1	2.4
143	1984	13.9	13.7	2.1	2.6
157	1984	17.4	17.4	2.1	2.4
171	1984	19.8	19.8	1.5	2.9
185	1984	22.1	22.1	2.1	3.1
199	1984	20.8	20.9	2.6	3.9
213	1984	23.1	23.1	2.1	2.9
227	1984	24.3	24.2	1.6	2.9
241	1984	23.1	23.0	1.4	4.1
255	1984	14.8	14.8	3.6	4.1
269	1984	9.8	10.0	5.1	5.4
283	1984	10.8	10.7	1.5	6.1
298	1984	6.6	6.5	8.5	8.5

Lake 239

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
129	1984	5.6	5.6	31.0	14.5
143	1984	11.4	11.3	6.1	7.1
157	1984	16.1	16.1	4.1	7.1
171	1984	19.5	19.1	4.1	4.1
185	1984	21.2	21.3	4.1	6.9
199	1984	20.7	20.6	4.9	6.4
213	1984	22.6	22.7	4.4	5.9
227	1984	24.0	24.0	5.4	5.4
241	1984	22.0	22.0	6.1	7.6
255	1984	16.6	16.5	7.6	7.9
269	1984	12.2	12.2	9.1	9.6
303	1984	6.6	6.7	31.0	22.5

Lake 240

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
130	1984	7.0	6.9	13.0	10.5
145	1984	12.9	12.8	6.1	6.9
158	1984	16.4	16.4	4.4	4.6
173	1984	19.8	20.2	3.1	5.9
186	1984	21.2	21.2	4.6	6.6
201	1984	20.7	20.7	5.9	5.9
214	1984	22.7	22.9	5.1	7.1
229	1984	22.5	22.7	5.6	6.4
242	1984	22.0	22.1	6.6	7.4
256	1984	15.6	15.8	8.1	8.6
270	1984	11.2	11.2	12.0	11.5

Lake 302 N

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
122	1984	6.2	6.2	13.0	9.5
136	1984	12.8	11.8	.4	2.9
150	1984	14.1	13.5	2.5	4.9
164	1984	17.0	17.0	3.1	5.4
178	1984	19.6	19.6	3.1	4.1
192	1984	21.6	21.3	3.1	4.9
206	1984	22.2	22.3	3.6	5.1
220	1984	25.8	25.8	3.1	4.9
222	1984	25.2	25.2	3.1	4.9
234	1984	22.0	22.1	4.6	5.1
262	1984	14.8	14.6	7.1	7.6
276	1984	10.3	10.2	10.1	10.1
290	1984	12.1	12.1	5.5	5.5
304	1984	5.6	5.6	13.0	.5

Lake 302 S

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
122	1984	6.7	6.7	10.0	6.5
136	1984	12.4	12.2	3.1	3.4
150	1984	13.9	13.9	6.1	6.1
164	1984	16.9	16.9	5.1	7.1
178	1984	19.9	20.0	4.4	5.9
192	1984	21.6	21.6	5.1	6.1
206	1984	22.8	22.8	5.1	6.9
220	1984	25.6	25.7	5.1	6.9
223	1984	24.4	24.4	5.1	6.6
234	1984	22.9	22.9	6.4	6.6
262	1984	15.5	15.5	9.4	9.4
276	1984	10.9	10.8	10.0	.5
290	1984	11.5	11.5	13.5	3.
304	1984	5.1	5.5	10.0	.5

Lake 373

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
136	1984	10.5	10.5	20.0	2.5
152	1984	13.4	13.5	5.4	5.4
164	1984	16.0	16.0	5.4	6.9
179	1984	18.7	18.8	5.1	7.1
192	1984	21.2	21.0	5.1	6.4
207	1984	22.3	22.3	5.1	6.9
222	1984	24.8	24.7	5.1	6.4
235	1984	21.0	21.2	6.6	7.4
248	1984	18.6	18.6	8.1	8.1
263	1984	16.1	15.8	9.1	10.1
276	1984	10.9	10.9	12.1	12.6
296	1984	9.0	9.2	15.1	15.4

Lake 374

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
142	1984	7.2	7.2	23.0	22.5
171	1984	17.3	17.3	6.1	7.1
198	1984	20.6	20.6	7.6	13.5
214	1984	22.2	22.2	7.1	8.4
227	1984	23.5	23.5	7.1	7.9
242	1984	21.9	21.9	8.9	9.9
254	1984	17.1	17.2	10.6	11.1
282	1984	11.1	11.1	16.5	17.4
296	1984	9.3	9.4	19.4	19.9

Lake 382

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
136	1984	10.6	10.6	3.4	3.6
150	1984	14.6	14.6	2.1	6.1
164	1984	16.8	16.8	4.1	5.1
178	1984	19.6	19.6	4.1	5.4
192	1984	21.2	21.2	4.1	5.1
206	1984	22.2	22.3	4.9	5.4
220	1984	26.5	26.1	2.1	5.6
222	1984	25.1	25.0	4.1	6.1
234	1984	22.3	22.3	5.4	5.9
249	1984	18.4	18.4	6.1	6.6
				1	10.4

Lake 623

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
152	1984	14.5	14.5	3.6	5.6
164	1984	16.5	16.6	5.1	5.6
179	1984	18.9	19.0	4.1	5.9
192	1984	21.6	21.4	4.1	5.9
207	1984	22.2	22.4	4.6	5.4
220	1984	25.9	25.8	3.1	5.1
248	1984	17.7	17.9	6.1	6.9
276	1984	10.3	10.2	10.1	10.1
297	1984	8.6	8.5	12.1	12.1

Lake 629

Sampling Date		Surface Temp (C)	Epi Temp (C)	Epi Depth (M)	Planar Thermocline (M)
142	1984	10.4	10.4	5.1	5.4
158	1984	15.2	15.1	5.1	5.1
170	1984	18.1	18.1	2.1	7.9
186	1984	20.4	20.5	3.6	5.6
198	1984	20.5	20.7	5.1	5.4
214	1984	23.2	23.0	5.1	5.4
226	1984	23.5	23.5	4.5	7.1
242	1984	21.6	21.6	5.1	6.4
254	1984	16.4	16.5	7.4	7.6
270	1984	11.5	11.5	9.9	9.9
282	1984	10.5	10.5	11.1	11.9
296	1984	8.8	8.8	14.1	14.1

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